

TO: HOLDERS OF COMPONENT MAINTENANCE MANUAL 35-11-90


REVISION NO. 1, DATED APR 15/93

HIGHLIGHTS

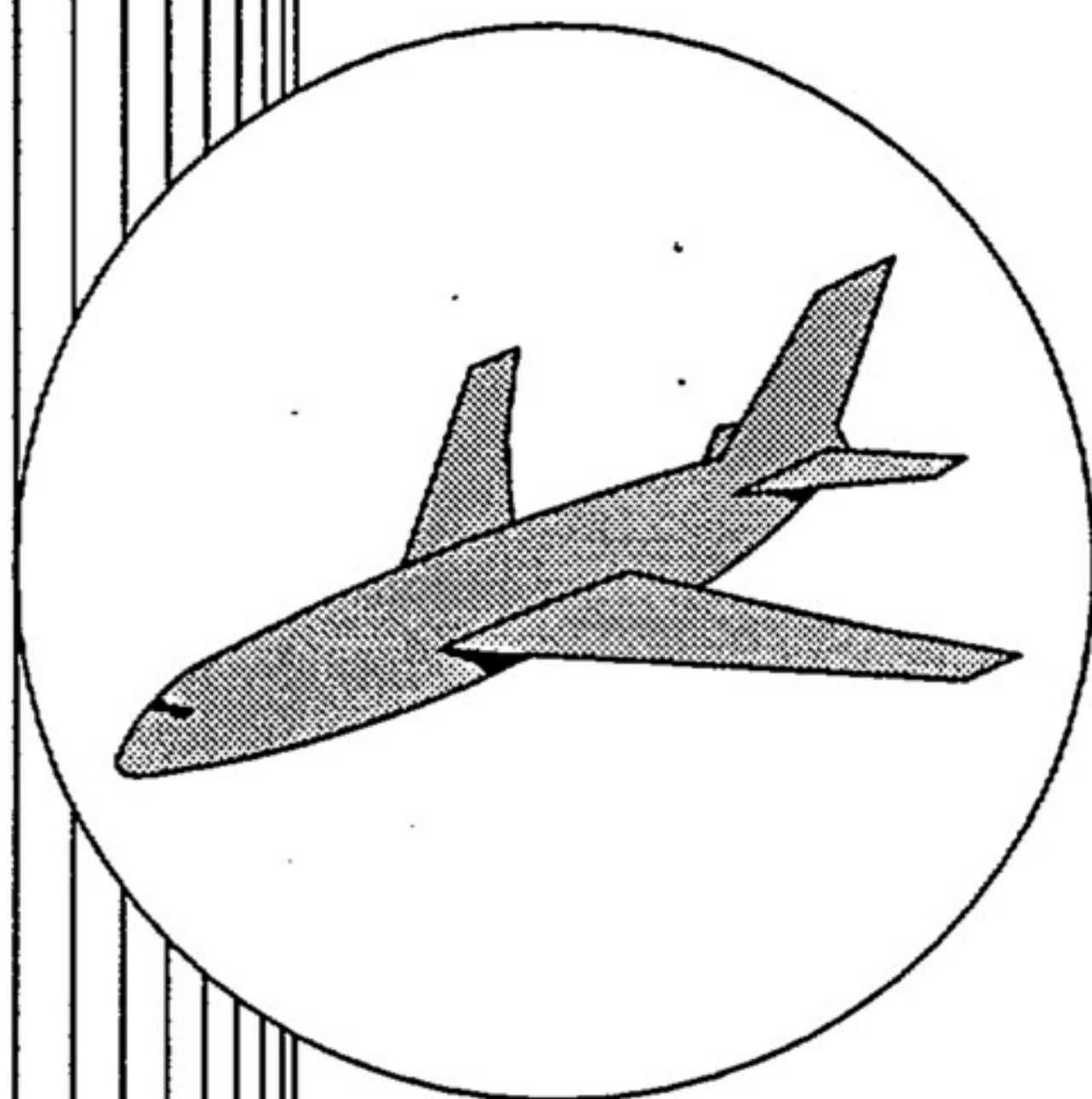
Pages which have been added or revised are outlined below together with the highlights of the revision.  
This revision adds bench tests.

Chapter/Section and Page No.	Description of Change	Effectivity
Title Page	Added revision date and number.	All Models
Record of Revisions	Added revision date and number.	All Models
List of Effective Pages	Updated the revision date for all change pages.	All Models
Table of Contents	Updated the page numbers and figure titles, as needed.	All Models
Testing and Fault Isolation, pages 101 through 103, 110 thru 118	Added bench tests omitted in initial manual.	All Models
Special Tools, Fixtures, and Test Equipment, pages 901 thru 906	Added test equipment needed for new bench tests.	All Models



SCOTT AVIATION • A FIGGIE INTERNATIONAL COMPANY   
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# **Component Maintenance Manual with Illustrated Parts List**



## **QUIK-DON® CREW MASK ASSEMBLY 358 SERIES WITH OXYGEN HOSES**

**35-11-90**  
REVISION #1- APR 15/93



## RECORD OF REVISIONS

[illegible]







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## **INTRODUCTION**

### **1. Scope**

This Component Maintenance Manual (CMM) contains maintenance instructions and lists replacement parts for Quik-Don® Mask Assemblies used with oxygen hoses and quick-disconnect fittings. Refer to CMM 35-10-01 for coverage of Quik-Don® masks with mask-mounted diluter regulators. The mask assemblies are manufactured by Scott Aviation, Lancaster, New York.

**WARNING:** IMPROPER USE OR MAINTENANCE OF THIS EQUIPMENT CAN RESULT IN SERIOUS INJURY OR DEATH.

THIS EQUIPMENT IS INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

FACIAL HAIR THAT CROSSES SEALING SURFACES CAN SERIOUSLY DEGRADE EQUIPMENT PERFORMANCE.

THIS EQUIPMENT IS TO BE SERVICED IN ACCORDANCE WITH THIS CMM BY SERVICE TECHNICIANS TRAINED IN THE INHERENT HAZARDS OF HIGH PRESSURE AVIATION OXYGEN AND KNOWLEDGEABLE OF THIS EQUIPMENT. THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM SCOTT AVIATION AND AUTHORIZED SCOTT DISTRIBUTORS.

THIS EQUIPMENT IS TO BE USED ONLY WITH AVIATOR'S BREATHING OXYGEN MEETING THE REQUIREMENTS OF MIL-O-27210.

### **2. Product Support Services**

Product support services for the mask assemblies are available from Scott Aviation. These services include repair and overhaul, replacement parts, and technical documentation. Please contact:

Scott Aviation  
A Figgie International Company  
225 Erie Street  
Lancaster, New York 14086-9502  
USA

Telephone: 716-683-5100  
FAX: 716-681-1089  
TELEX: 91-394

### **3. Usage Guide**

A. Select procedures or maintenance information from the Table of Contents. This CMM is written to ATA 100, Revision 29 and AECMA Simplified English guidelines.

- (1) **Description and Operation** describes the purpose, primary components, and operation of the mask assemblies.
- (2) **Testing and Fault Isolation** contains test and fault isolation procedures.
- (3) **Disassembly** contains procedures to disassemble the masks for repair or part replacement.
- (4) **Cleaning** contains procedures to clean and disinfect the masks.



- (5) **Check** contains procedures to check parts for excessive wear, corrosion, and other damage.
- (6) **Repair** contains procedures to repair damaged parts.
- (7) **Assembly** contains procedures to reassemble and store the masks.
- (8) **Fits and Clearances** gives wear limits and torque values.
- (9) **Special Tools, Fixtures, and Equipment** describes the special tools, fixtures, and test equipment recommended for bench tests and repair.
- (10) **Illustrated Parts List** gives the information needed to order replacement parts. A numerical index and exploded-view illustrations are provided to help identify the parts.

B. Recommended tools and materials are given in each section. Equivalent items can be used.

4. Verification Dates

Procedure	Date
Testing/Fault Isolation	<u>December 6, 1991</u>
Disassembly	<u>December 6, 1991</u>
Assembly	<u>December 6, 1991</u>

5. Revision Service

Revised pages will be issued when necessary to correct errors and to add new configurations. The revised part of the page will be identified by a change bar or capital R in the left margin.

6. Abbreviations and Unit Symbols

Abbreviations and unit symbols used in this manual are defined below. All weights and measurements are given first in English standard units followed by the metric equivalent in parentheses.

AR	As Required	kPag	kiloPascal – gauge (1 kPag = 0.15 psig)
Assy	Assembly	lb	pound
ATA	Air Transport Association	NHA	Next Higher Assembly
AWG	American Wire Gauge	N·m	Newton·meter (torque) (1 N·m = 8.3 in-lb)
CAGE	Commercial And Government Entity	P/N	Part Number
cm	centimeter (1 cm = 0.394 inch)	psig	pounds per square inch – gauge
CMM	Component Maintenance Manual	RF	Reference
EFF	Effectivity	SB	Service Bulletin
Fig.	Figure	SCD	Source Control Drawing
IPL	Illustrated Parts List	TTL	Total
kg	kilogram (1 kg = 2.205 lb)	VDC	Voltage – Direct Current



## **DESCRIPTION AND OPERATION**

### **1. Purpose**

The 358 series Quik-Don® Mask Assemblies supply breathing oxygen during emergency decompression of the aircraft. The masks automatically adjust to fit any head size, and include a microphone with a standard jack for audio communications. Accessories also covered in this CMM include a quick-release holding strap, a dust cover to keep the facepiece and breathing valve clean when the mask is stowed for emergency use, and anti-smoke goggles.

### **2. Primary Components**

A. The mask assembly is made up of two primary subassemblies:

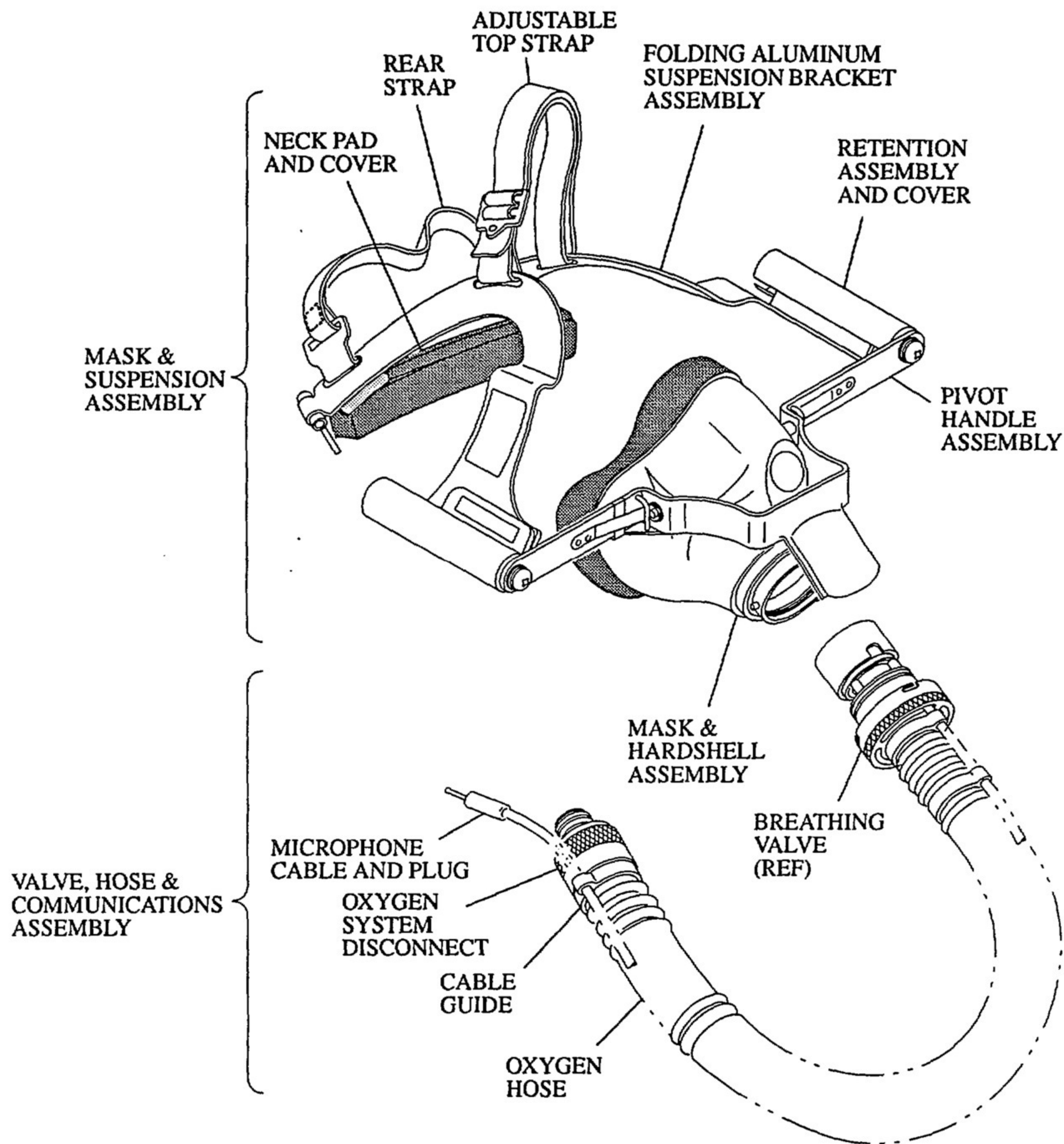
- (1) Valve, Hose & Communications Assembly
- (2) Mask & Suspension Assembly

The primary components for each subassembly are shown in Figure 1. The subassemblies can easily be separated for repair or part replacement.

B. Valve, Hose & Communications Assembly

- (1) Each valve, hose, & communications assembly includes as a minimum one breathing valve, a hose, and an oxygen system disconnect. The valve and disconnect are attached to opposite ends of the hose by hose clamps. The hose clamps are covered by either wide rubberbands or rubber cable guides.
- (2) Each different type of breathing valve has an outer three-pin bayonet connector shell which locks over the bayonet ring in the mask hardshell. Inside the connector shell is a combination inhalation/exhalation valve which allows oxygen to enter the facepiece when the user inhales, then ports exhaled air to the atmosphere. The valves are available in various configurations, including those with straight or bent shanks.
- (3) Four different types of oxygen hoses are used with the 358 Series masks. The first type, covered in IPL Figure 6, is a light blue-green, nylon covered crushproof hose. The second and third styles (IPL Figures 7 and 8) are crushproof MS22055-type hoses with external and internal communications cables, respectively. Crushproof hoses are used in situations where the hose lies on the floor across walkways, etc. The fourth type of hose (IPL Figure 9) is made of soft, olive-green silicone rubber.
- (4) A range of oxygen system disconnects are also available, as needed to connect the oxygen hoses to the various systems used in aircraft cabins. Three types, Scott Aviation part numbers 232-94, 232-94A and 232-246, are quick-release fittings with disconnect warnings and, in the 232-246 only, a decompression relief valve. The disconnect warning makes it very difficult to draw air through the hose if the hose is not properly connected to the oxygen supply. A fourth type of disconnect, part number 232-215, threads on the oxygen supply receptacle. The remaining hoses are terminated with an MS22058-style female connector.





Primary Components  
Figure 1



- (5) Many valve, hose & communications assemblies include a microphone, cable, and cable plug which connects to the aircraft communications system. These assemblies can also include a non-locking press-to-talk switch and/or pre-amplifier. The microphone is mounted over the breathing valve on spacers to not interfere with oxygen flow, or on a bracket attached to the valve. This arrangement positions the microphone inside the facepiece for convenient use when the hose is attached to the mask.
- (6) The communications cable is either routed inside the hose or held close to the hose by wide rubberbands or specially-designed rubber cable guides.

### C. Mask & Suspension Assembly

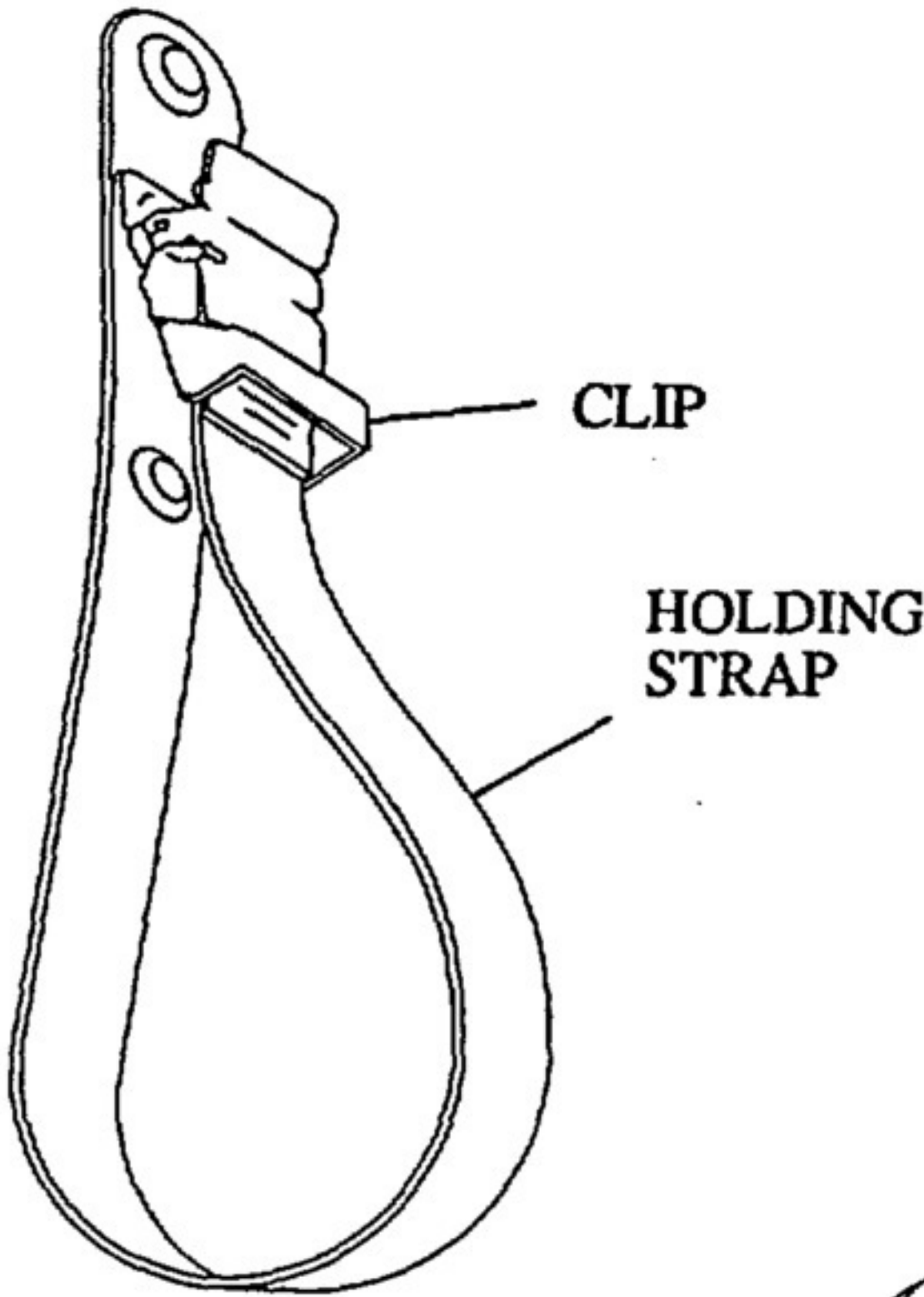
- (1) The mask portion of each mask & suspension assembly consists of a molded silicone rubber facepiece bonded to a hard plastic shell. The hardshell can have a vent-valve. The masks have two pivots, one on either side of the hardshell, which fit into spring-clips in the suspension assembly pivot handle. This allows quick removal and installation of cleaned or repaired facepieces and hardshells.
- (2) The facepiece has a USAF-style face seal which has unanimous pilot approval. The 358-1002 mask & hardshell assembly (IPL Figure 5) has narrow cheek flaps and is widely used on commercial jet transport aircraft. The 358-1030 configuration (IPL Figure 5) has wide cheek flaps with an extra wide face seal. The 358-1002V and 358-1030V masks are identical to the basic configurations, except they include vent-valves.
- (3) The hardshell limits deformation of the facepiece and also provides a secure mounting surface for the bayonet ring.
- (4) The vent-valve available in some hardshells (on masks with a V at the end of the part number) diverts a small amount of oxygen from the mask to clear the goggles of smoke or fumes. The vent is opened or closed using a sliding valve.
- (1) The suspension assembly consists of a pivot handle attached to a folding suspension bracket assembly by two spring-loaded, telescoping retention assemblies. The suspension assembly automatically adjusts to fit any head size.
- (2) Soft foam pads and cushions are bonded to the back and sides of the bracket assembly. The top strap is adjustable. The rear strap is not adjustable.

### 3. Accessories

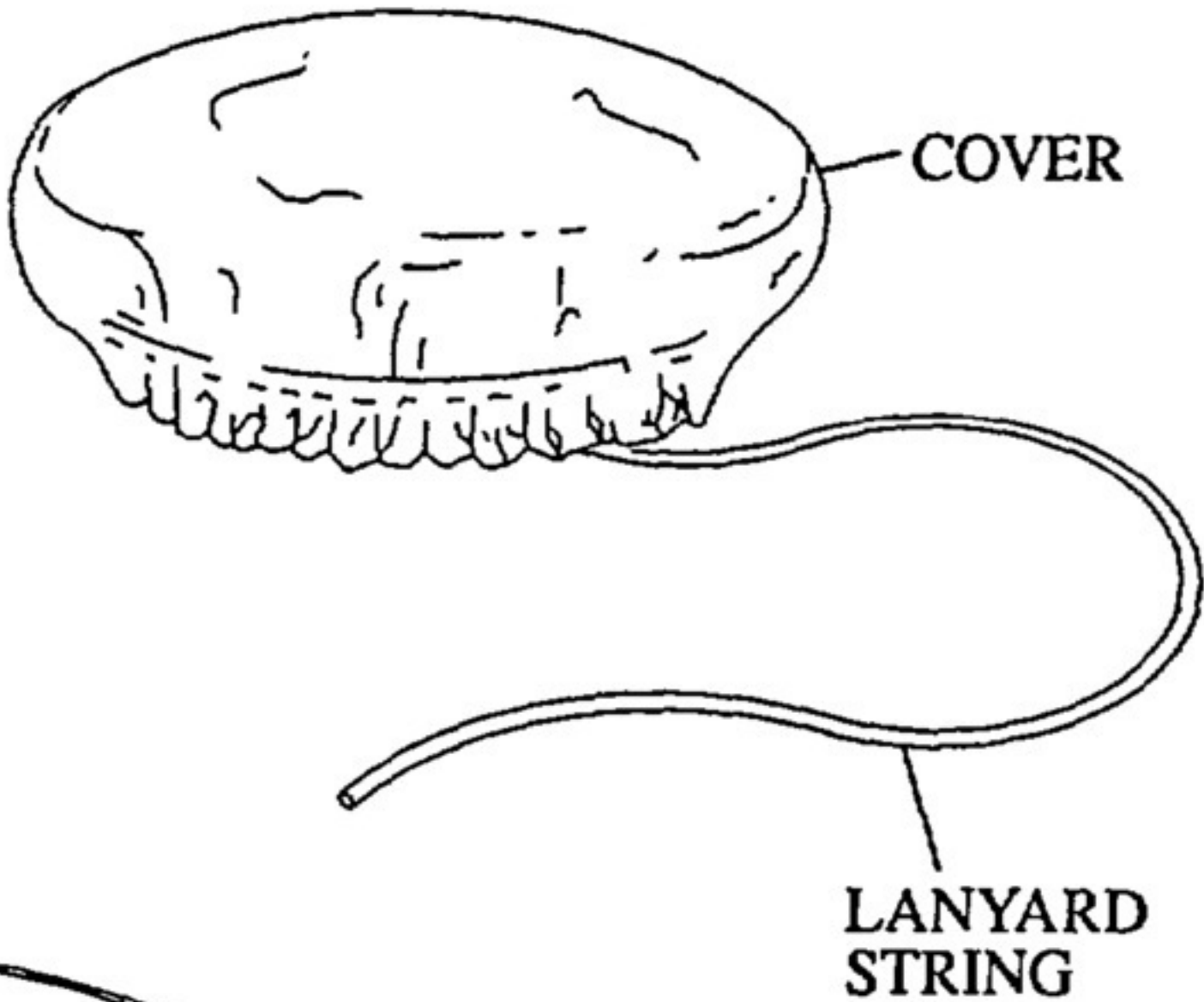
- A. The quick-release holding strap (Figure 2) can be mounted on a vertical panel near the user. The mask is automatically released for use when it is pulled from the holding strap.
- B. The dust cover fits over the facepiece to keep dust and dirt out of the facepiece and the breathing valve. It has an elastic strap for secure fit over the facepiece, and a lanyard string which can be tied to the holding strap to pull the cover off the mask when the mask is donned in an emergency.
- C. The anti-smoke goggles are used only with vented masks. The goggles consist of a lens, frame, and headstrap. The frame and headstrap are made of soft silicone rubber. The lens is replaceable.



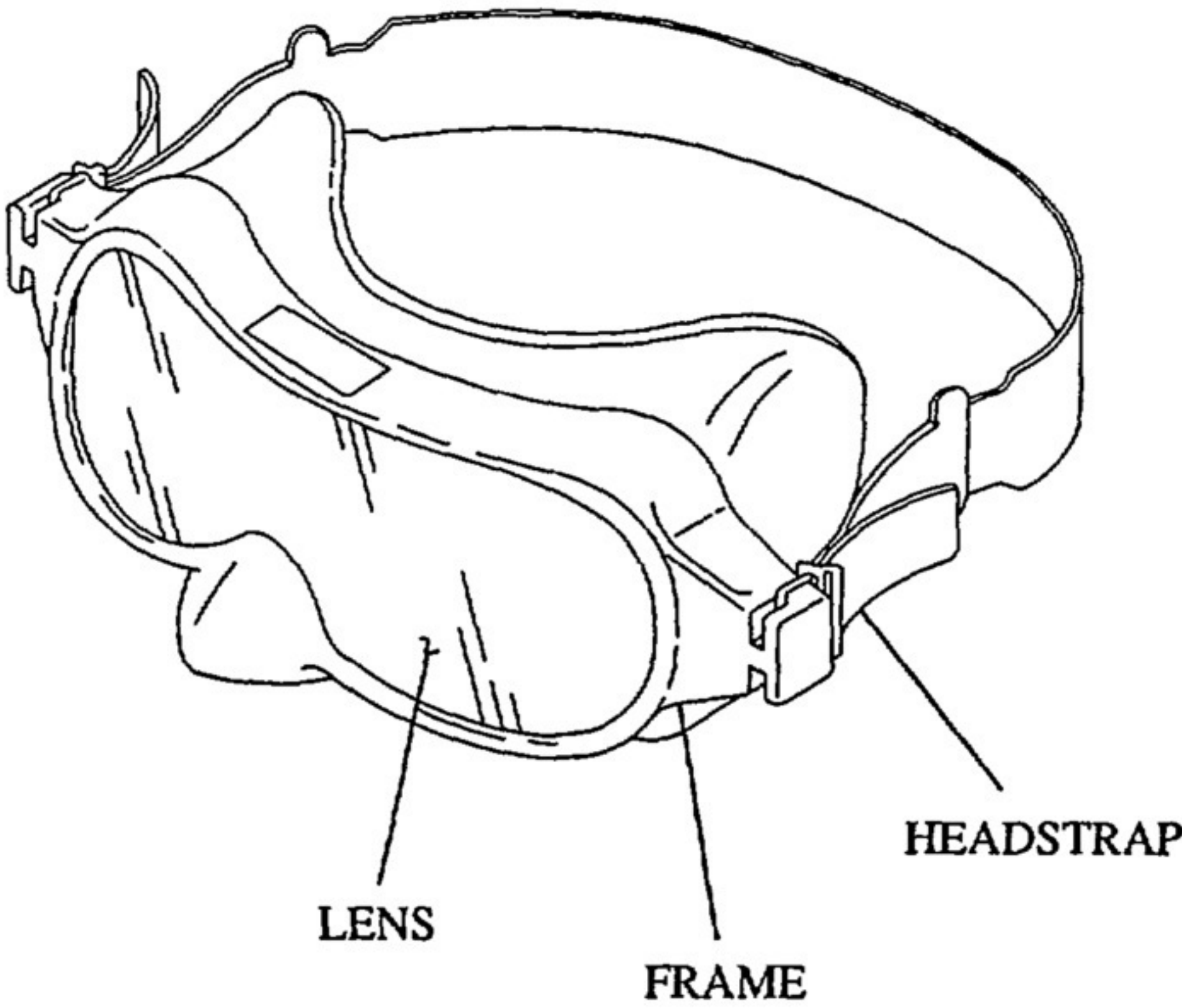
**QUICK-RELEASE  
HOLDING STRAP**



**DUST  
COVER**



**ANTI-SMOKE  
GOGGLES**



Accessories  
Figure 2

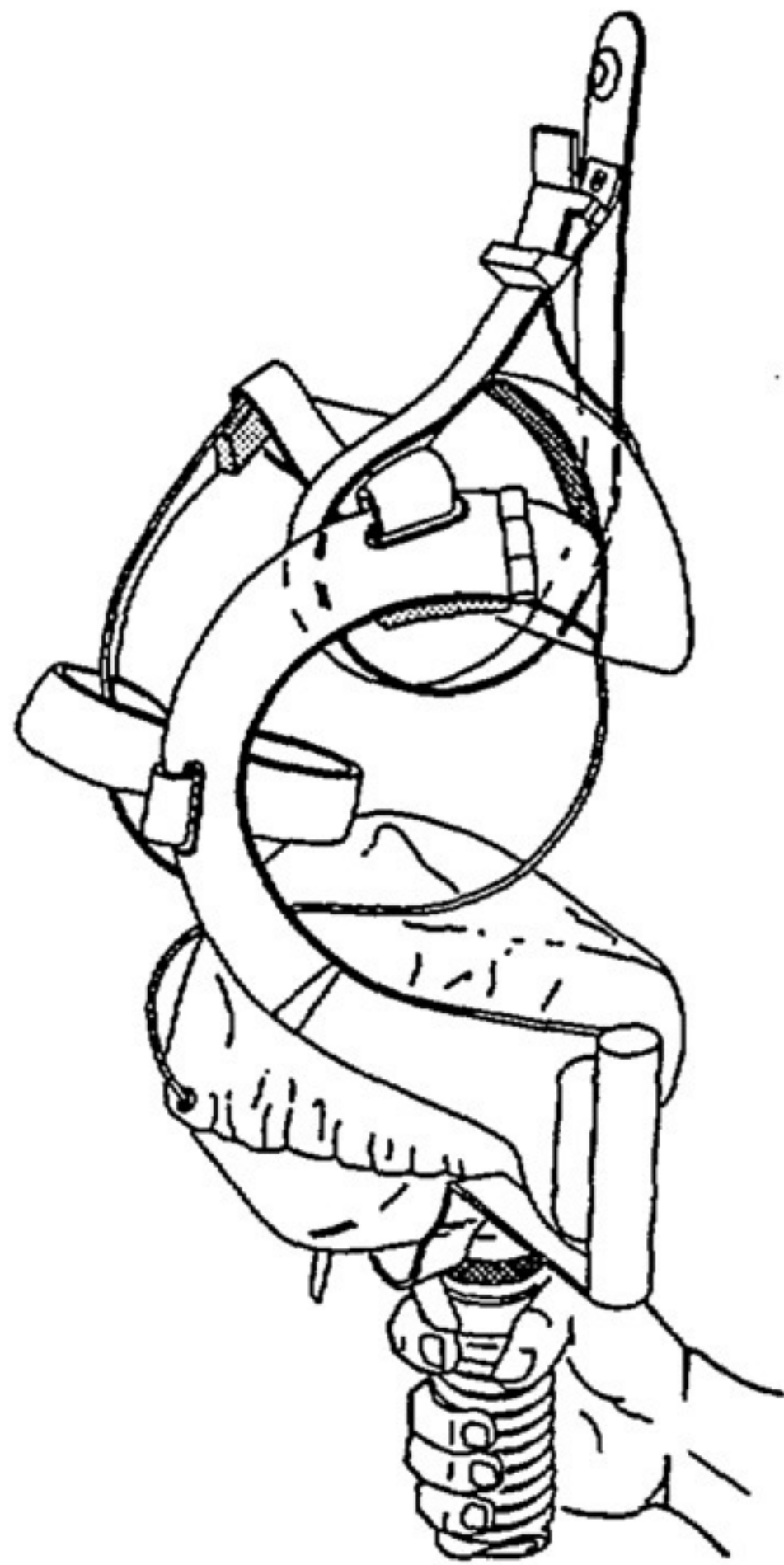


4. Operation

Instructions to don and adjust the mask are given in Figure 3. The facepiece should be disinfected before use.

5. Installation

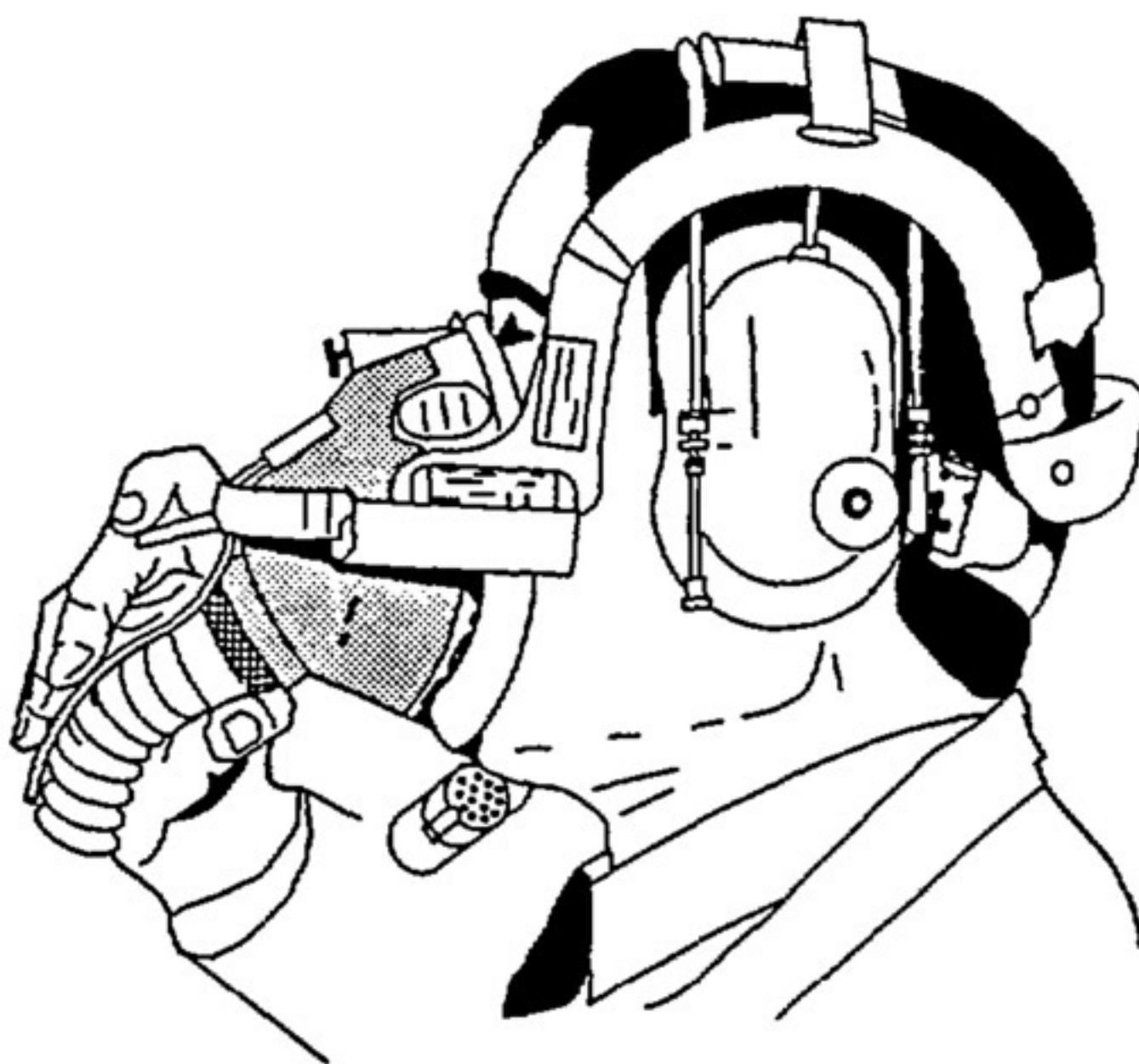
- A. The mask should be installed within easy reach of the user and be mounted in such a way as to provide immediate access in the event of cabin decompression. The quick-release holding strap is available from Scott Aviation for this purpose.
- B. Install the mask in the holding strap as shown in Figure 3. The quick-release strap must go around the neck pad and the top head strap.
- C. If the dust cover is used, make sure the lanyard string is routed behind the suspension bracket.



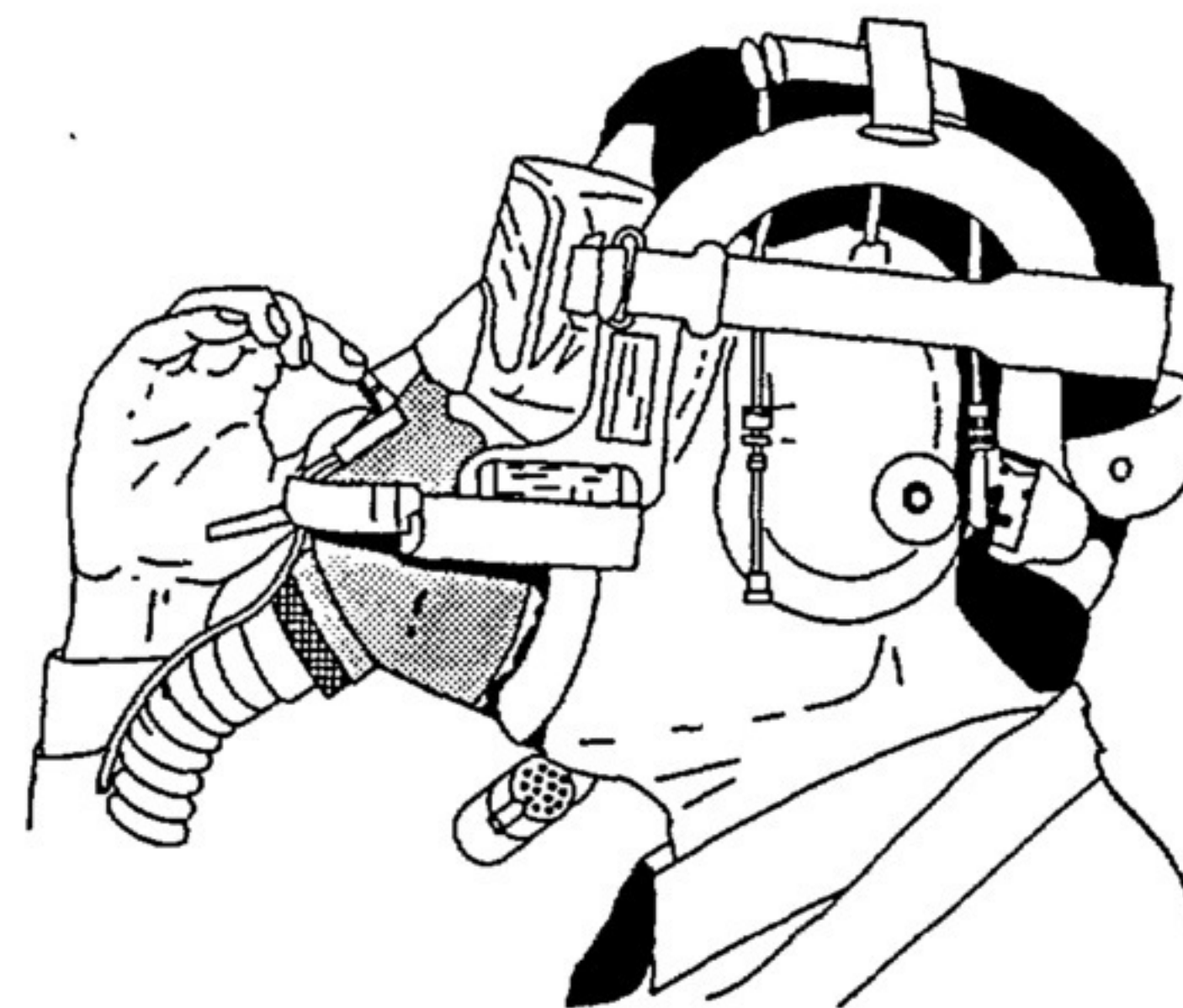
1. GRASP THE UPPER END OF THE OXYGEN HOSE, WITH YOUR FOREFINGER OVER THE PIVOT TAB.
2. PULL THE MASK DOWN AND AWAY TO REMOVE IT FROM THE QUICK-RELEASE HOLDING STRAP.



3. PLACE THE MASK & SUSPENSION ASSEMBLY OVER THE TOP OF YOUR HEAD, WITH THE NECK PAD AGAINST YOUR LOWER NECK.
4. PULL FORWARD ON THE MASK TO EXTEND THE RETENTION ASSEMBLIES, AND LOWER THE FACEPIECE OVER YOUR NOSE AND MOUTH. SWIVEL THE HEADSET MICROPHONE OUT OF THE WAY.



5. POSITION THE FACEPIECE COMFORTABLY OVER YOUR NOSE AND MOUTH, THEN RELEASE THE PIVOT TAB.
6. ADJUST THE HEAD AND NECK STRAPS AS NEEDED FOR A COMFORTABLE FIT.



7. IF THERE IS SMOKE OR FUMES IN THE CABIN, DON THE ANTI-SMOKE GOGGLES. ENSURE THAT THE GOGGLES FIT SNUGLY OVER THE TOP OF THE HARDSHELL.
8. PULL ON THE VENT-VALVE KNOB TO CLEAR SMOKE OR FUMES FROM THE GOGGLES. PUSH THE KNOB IN WHEN THE VENT IS NO LONGER NEEDED.

Mask Donning Instructions  
Figure 3



## TESTING AND FAULT ISOLATION

### 1. General

- A. This section contains a preflight test, to quickly check the mask before flight, and bench test procedures. Perform the bench test if the mask fails the preflight check and after overhaul.
- B. The bench test procedures include fault isolation instructions. Perform the tests only when necessary, as follows:

<u>Test</u>	<u>Paragraph</u>	<u>Reason</u>
Pre-Flight Checkout	2	To quickly check the mask before flight.
Communications Test	3.A	If the microphone does not work, and after replacing the microphone/cable assembly.
Oxygen Supply Test	3.B	If the breathing valve or fitting does not work, and after replacing the breathing valve, oxygen system disconnect, or oxygen hose.
Pull Test	3.C	To check security of the facepiece in the hardshell, and after replacing the facepiece assembly, hardshell assembly, or related parts.
Mask & Hardshell Leak Test	3.D	To check the facepiece and hardshell of leaks, and after replacing any component of the mask, hardshell (& valve) assembly.
Mask, Hardshell & Valve Leak Test	3.E	To check the breathing valve interface with the hardshell for leaks, and after replacing any component of the mask, hardshell (& valve) assembly or the valve, cable & plug assembly.
Exhalation Valve Test	3.F	To check the breathing valve, and after replacing the valve, cable & plug assembly.
Vent-Valve Test	3.G	To check the anti-smoke vent valve, and after replacing any vent-valve component.

- C. The mask is part of the aircraft breathing oxygen supply system. The cleanliness standards given below apply.

**WARNING:** DO NOT USE OIL OR OTHER PETROLEUM BASE LUBRICANTS ON OXYGEN EQUIPMENT. THE LUBRICANTS ARE A FIRE HAZARD IN OXYGEN-RICH ENVIRONMENTS.

- (1) Work areas to assemble, check, and test the mask must be clean and free of oils and lubricants.
- (2) All test equipment, tools, and fixtures used to assemble, check, and test the mask must be cleaned to remove oils before use.

- D. Recommended test equipment and materials are given in Table 101.

**NOTE:** Equivalent items can be used.



**Test Equipment and Materials  
Table 101**

Nomenclature	Part or Specification Number	Source (CAGE)*
Force Gage, 0 to 50 lb (23 kg)	Model In-60	Chattilion 83-80 Kew Gardens Rd. Kew Gardens, NY 11415
Flowmeter, 0 to 1.0 LPM	---	Commercially Available
Flowmeter, 0 to 10.0 LPM	---	Commercially Available
Multimeter, Digital	Model 8060A	Fluke Mfg. Co. (89536)
O-ring (2 required)	405-497	Scott Aviation (53655)
Oxygen Tank, Aviator's Breathing, 2220 psi maximum	MIL-O-27210	Commercially Available
Pressure Gage, 0 to 20 inch-water (6 kPag) (2 required)	---	Commercially Available
Pull Test Fixture	405-489	Scott Aviation (53655)
Shutoff Valve	---	Commercially Available
Test Fixture	405-443	Scott Aviation (53655)
Test Set, Communication/ Oxygen, Portable	200255	Scott Aviation (53655)
Vacuum Source, 0 to 20 inch-water (6 kPag)	---	Commercially Available

\* Refer to the IPL, paragraph 2, for the address.

## 2. Pre-Flight Test

Use this procedure to quickly check the masks before flight. Masks that fail this test must be removed from service and taken to an approved repair facility for repair and bench tests.

### A. Inspect the mask for:

- (1) contamination
- (2) loose or damaged parts
- (3) cracks or tears in the hardshell, facepiece, and oxygen hose

### B. Connect the oxygen system disconnect to the aircraft oxygen system. Plug the microphone into the communications system.



- C. Don the mask and breathe in to ensure an adequate oxygen supply. Check the disconnect if it is difficult to inhale.
- D. Check the microphone, cable, and plug by talking into the microphone. Check the plug connection if the microphone does not work.
- E. If the mask is equipped with an anti-smoke vent-valve, don the goggles and pull the rod to vent the goggles (refer to Figure 3). Verify air flow into the goggles and adequate breathing oxygen in the facepiece.
- F. Remove and stow the mask for in-flight emergency use.

### 3. Bench Tests

#### A. Communications Test

- (1) Plug the test set (Table 101) power cord into a 120 VAC, 60 Hz wall socket.

**NOTE:** Scott Aviation document TR 405-935 (shipped with the test set) contains test set installation, operation, and maintenance instructions.

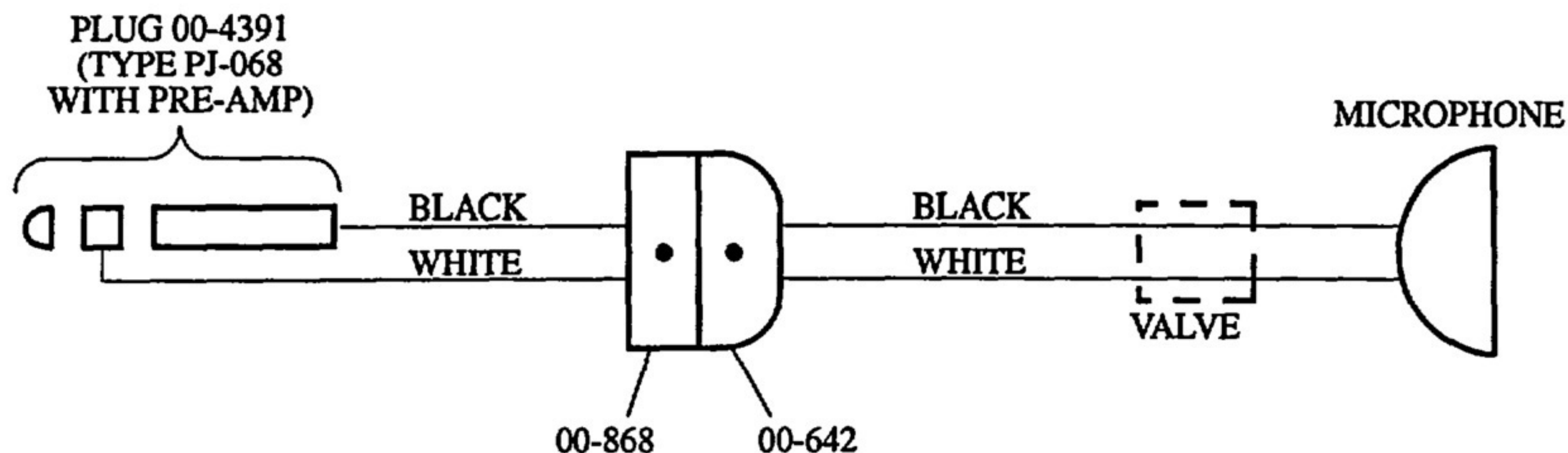
- (2) Set the ON/OFF switch to ON. The red light next to the switch must illuminate.
- (3) Plug the microphone cable into the appropriate jack on the test set panel.

**NOTE:** Contact Scott Aviation for a patch cable, an adapter, or modifications if the microphone plug does not fit any of the test set jacks.

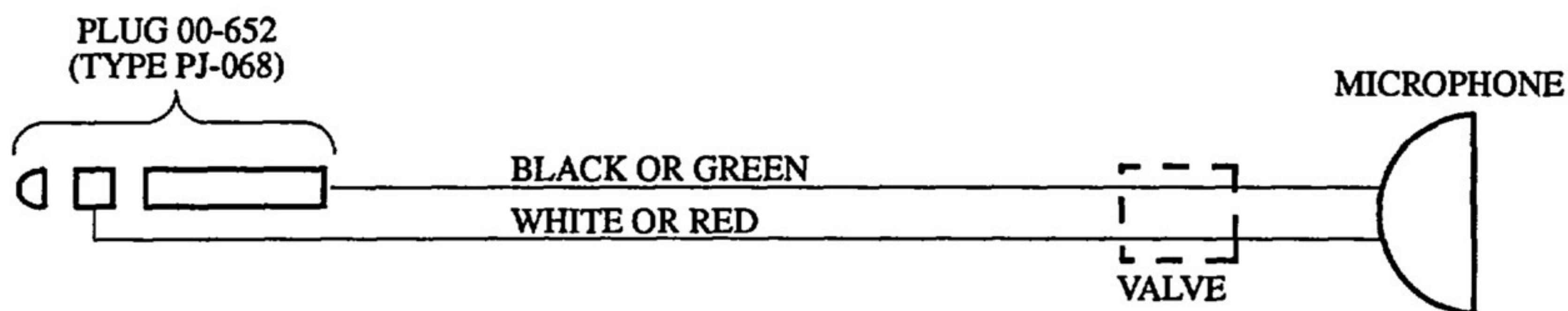
- (4) Plug the headset into the PJ055B jack. Push the TONE button and listen for a tone over the headset.
- (5) Push the PUSH TO TALK button and talk into the mask microphone. Check the DECIBEL meter reading and verify that your voice is heard clearly through the headset.
- (6) If the microphone did not work, check the continuity of the microphone cable and plug to identify the damaged parts, as follows:
  - (a) Adjust a multimeter (Table 101) to display resistance.
  - (b) Use appropriate wiring diagram (Figure 101) to check the circuits for continuity.

**NOTE** To use Figure 101, do the following:

- Read the valve, cable (& plug) assembly part number stamped on the nameplate under the microphone (for example, refer to Item 95 in IPL Figure 6).
- Find the assembly part number in Figure 101. The applicable wiring diagram is shown above the list of part numbers.



232-1122



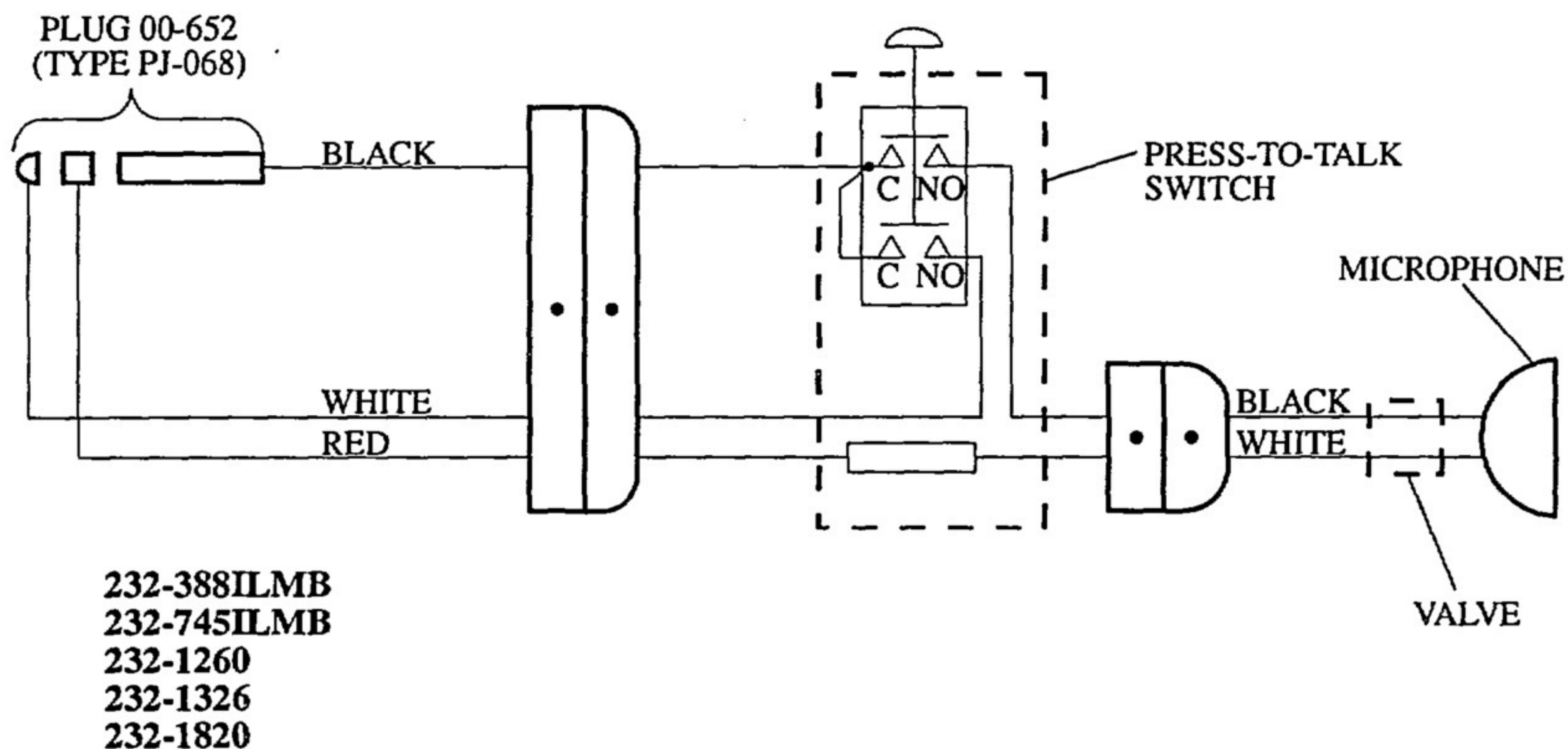
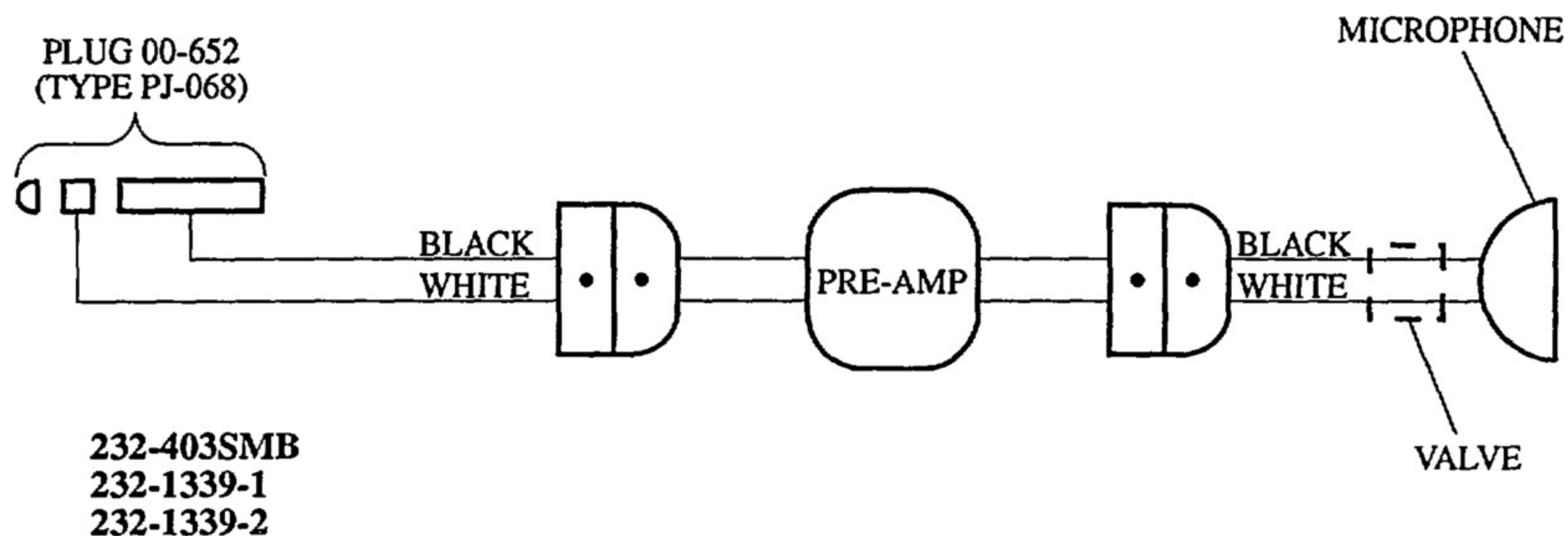
232-235ILMB  
232-235SMB  
232-321ILMB  
232-760ILMB  
232-785SMB  
232-793  
232-794ILMB  
232-799ILMB  
232-825ILMB  
232-825SMB  
232-1016ILMB  
232-1117SMB  
232-1155ILMB

232-1161ILMB  
232-1186ILMB  
232-1206  
232-1228  
232-1241  
232-1242ILMB  
232-1248  
232-1262  
232-1264  
232-1274  
232-1281  
232-1301  
232-1305

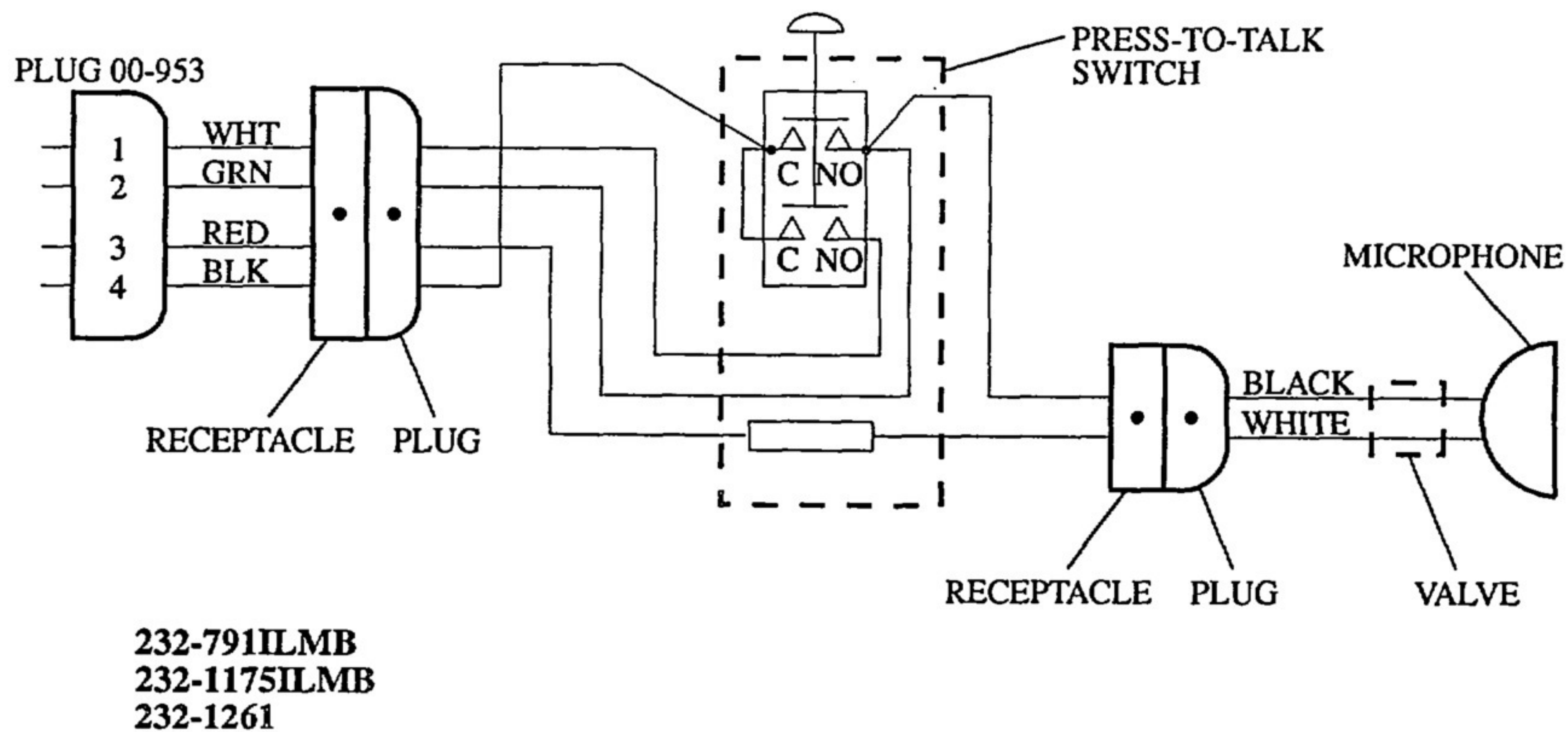
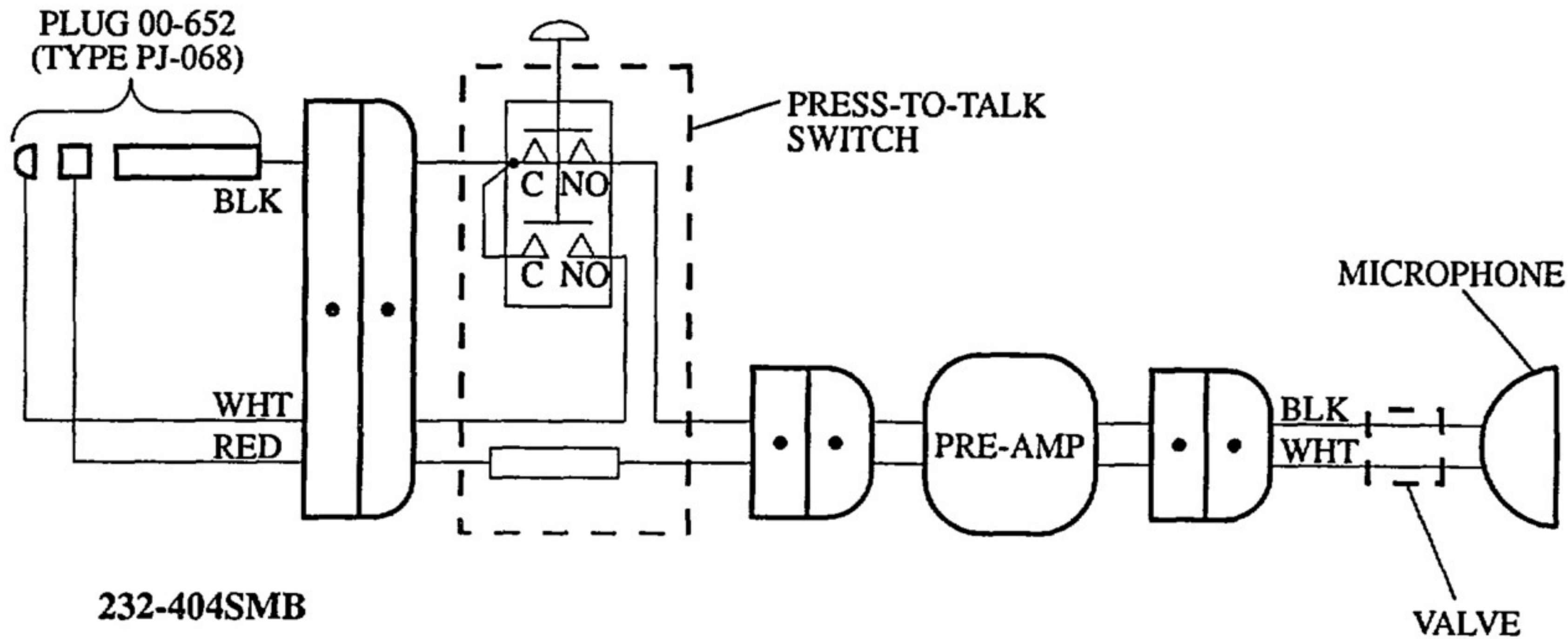
232-1307  
232-1327  
232-1336-1  
232-1348  
232-1352  
232-1358  
232-1361  
232-1365  
232-1367  
232-1373  
232-1374  
232-1818

Wiring Diagrams  
Figure 101 (Sheet 1 of 7)



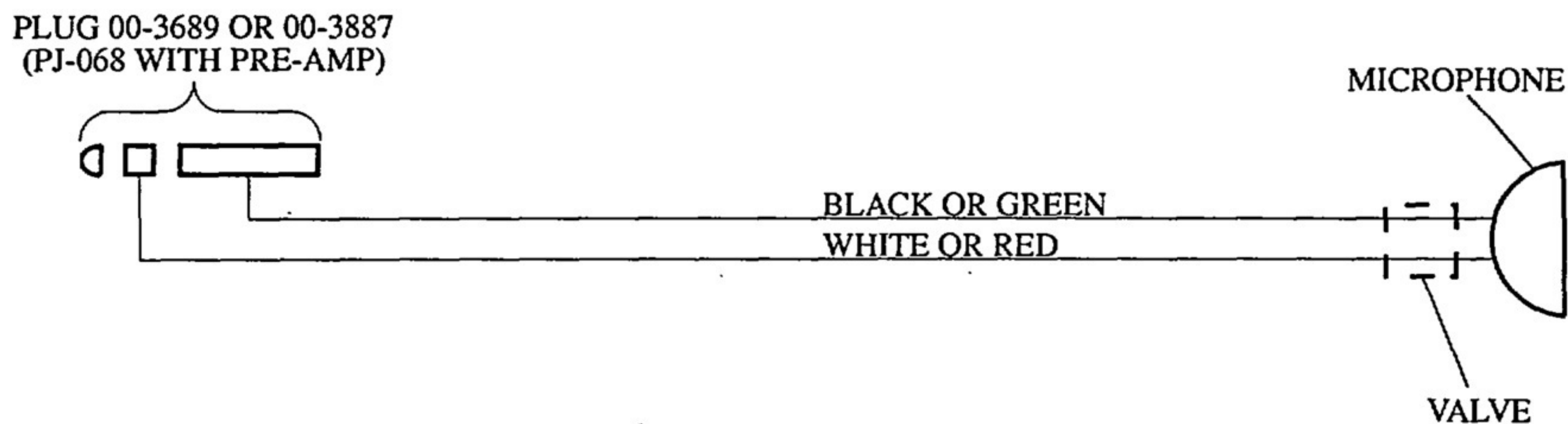
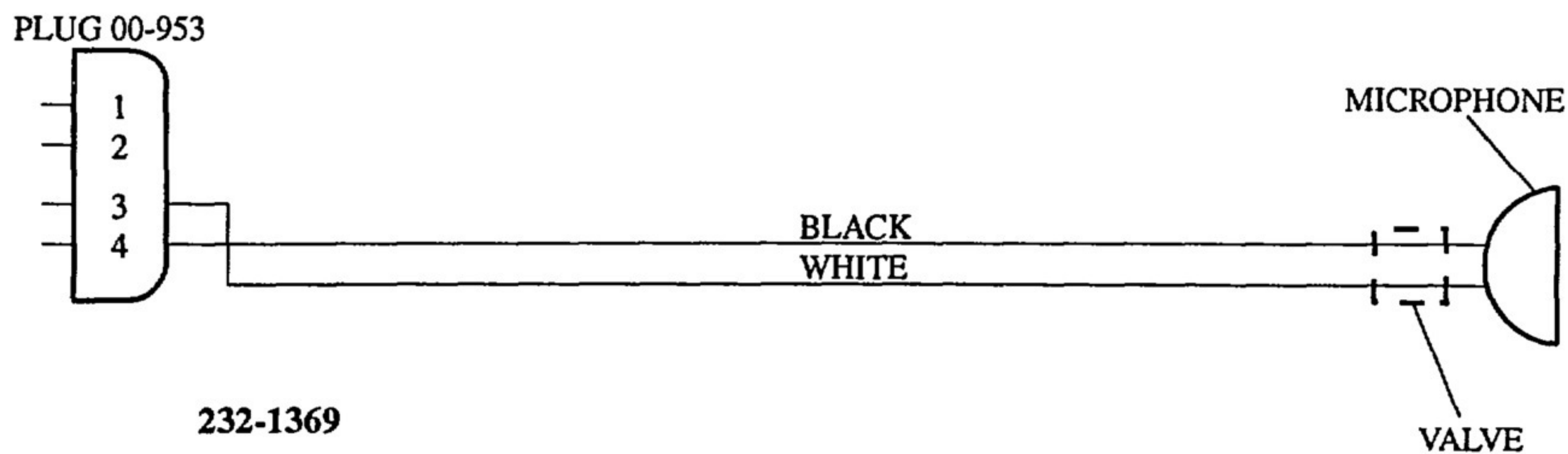


Wiring Diagrams  
Figure 101 (Sheet 2)



Wiring Diagrams  
Figure 101 (Sheet 3)

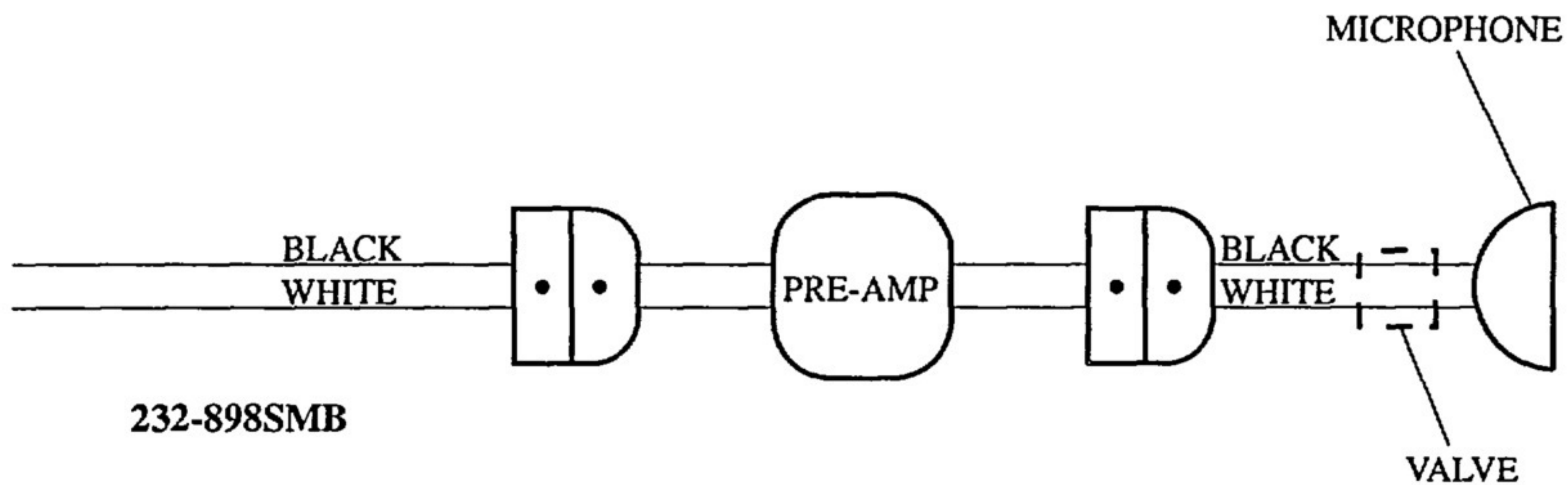




232-828  
232-892  
232-893  
232-1018SMB  
232-1060ILMB

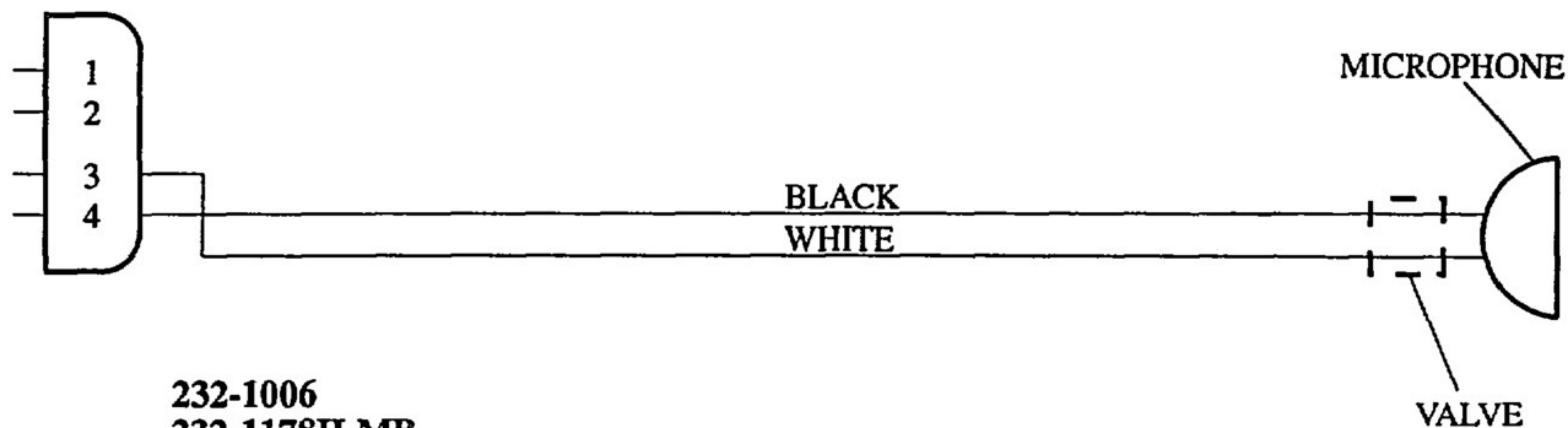
232-1111  
232-1111-1  
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232-1176ILMB  
232-1191ILMB

232-1312  
232-1318  
232-1354  
232-1371  
232-1816



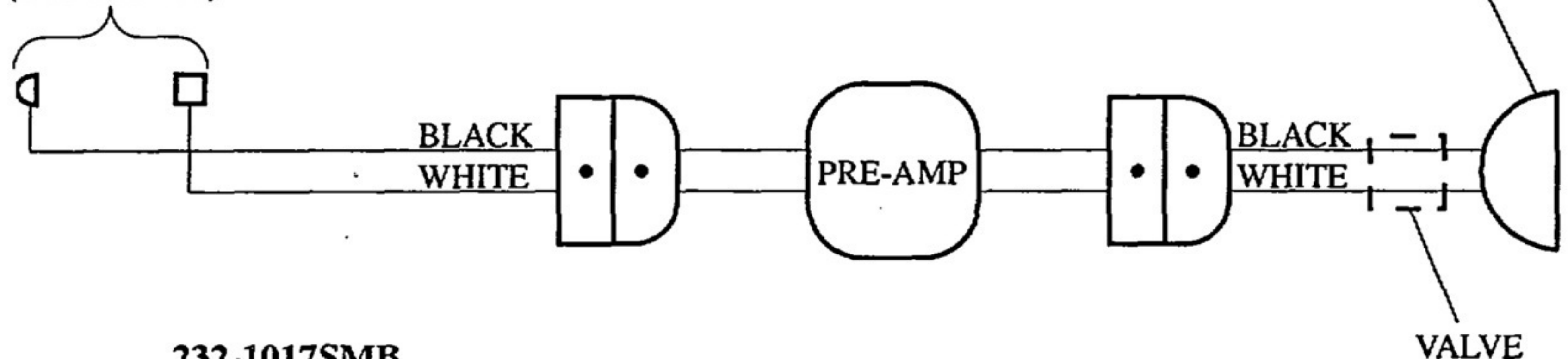
Wiring Diagrams  
Figure 101 (Sheet 4)

PLUG 00-1686  
(TYPE U-174/U)



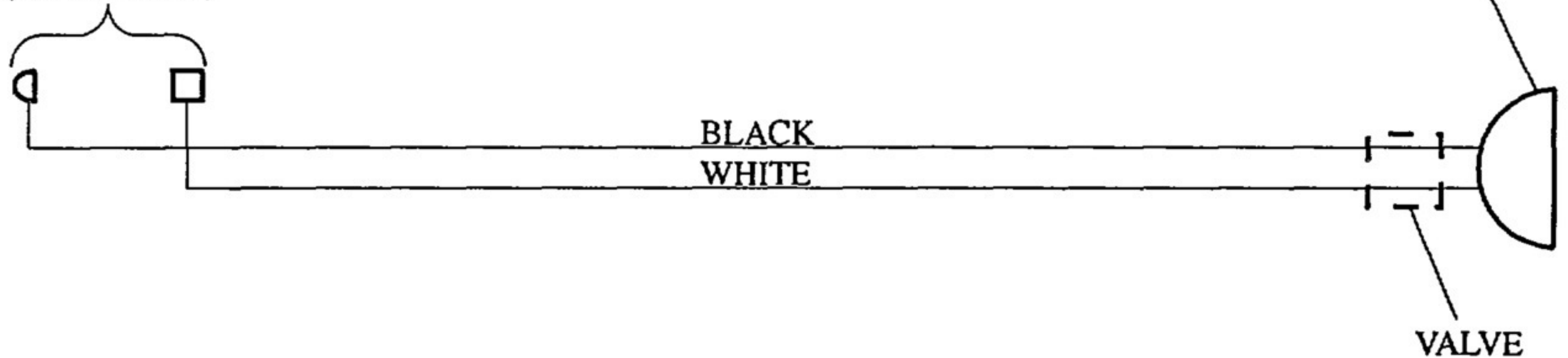
232-1006  
232-1178ILMB  
232-1279

PLUG 00-642  
(TYPE PJ-292)



232-1017SMB

PLUG 00-642  
(TYPE PJ-292)



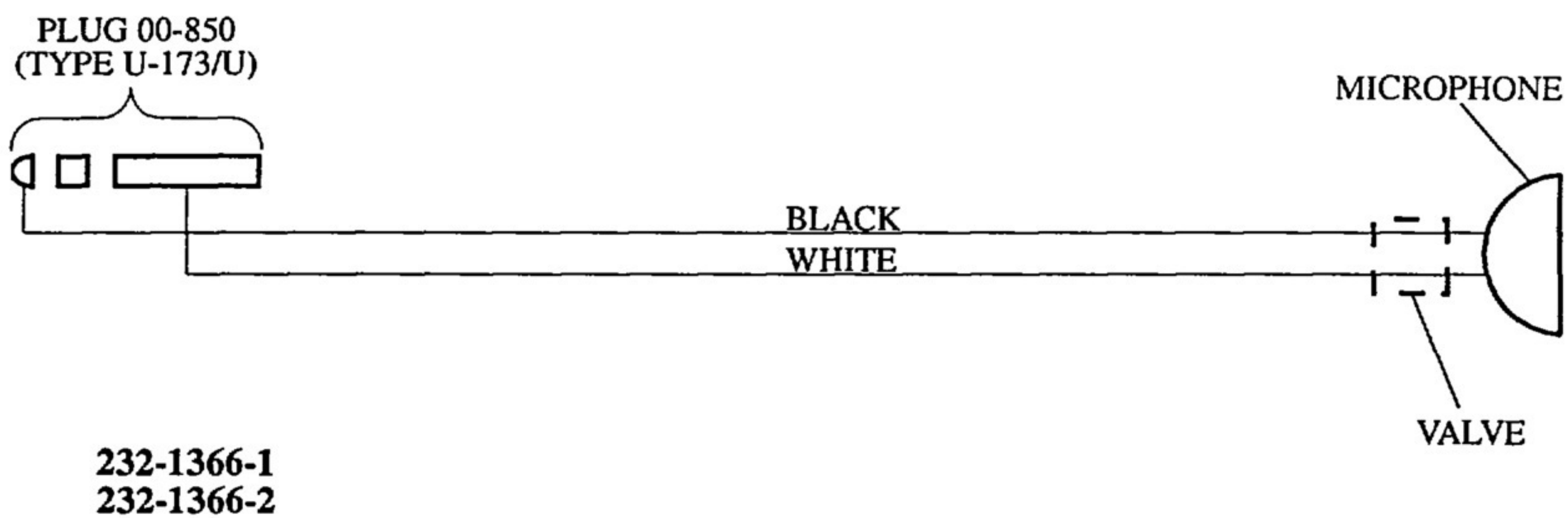
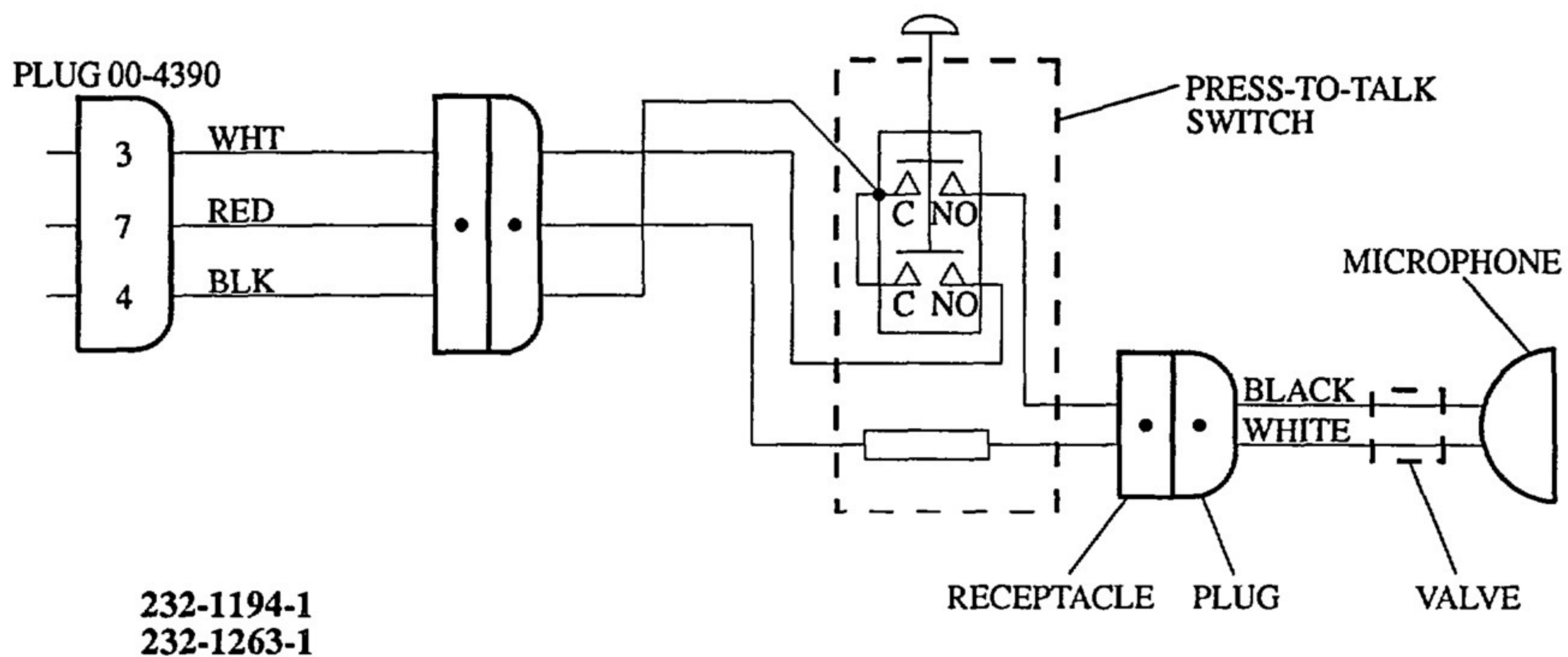
232-1074  
232-1159ILMB  
232-1166ILMB  
232-1201  
232-1204SMB

232-1223SMB  
232-1244ILMB  
232-1270  
232-1300  
232-1317  
232-1320

232-1328  
232-1335-1  
232-1337  
232-1817-1  
232-1817-2

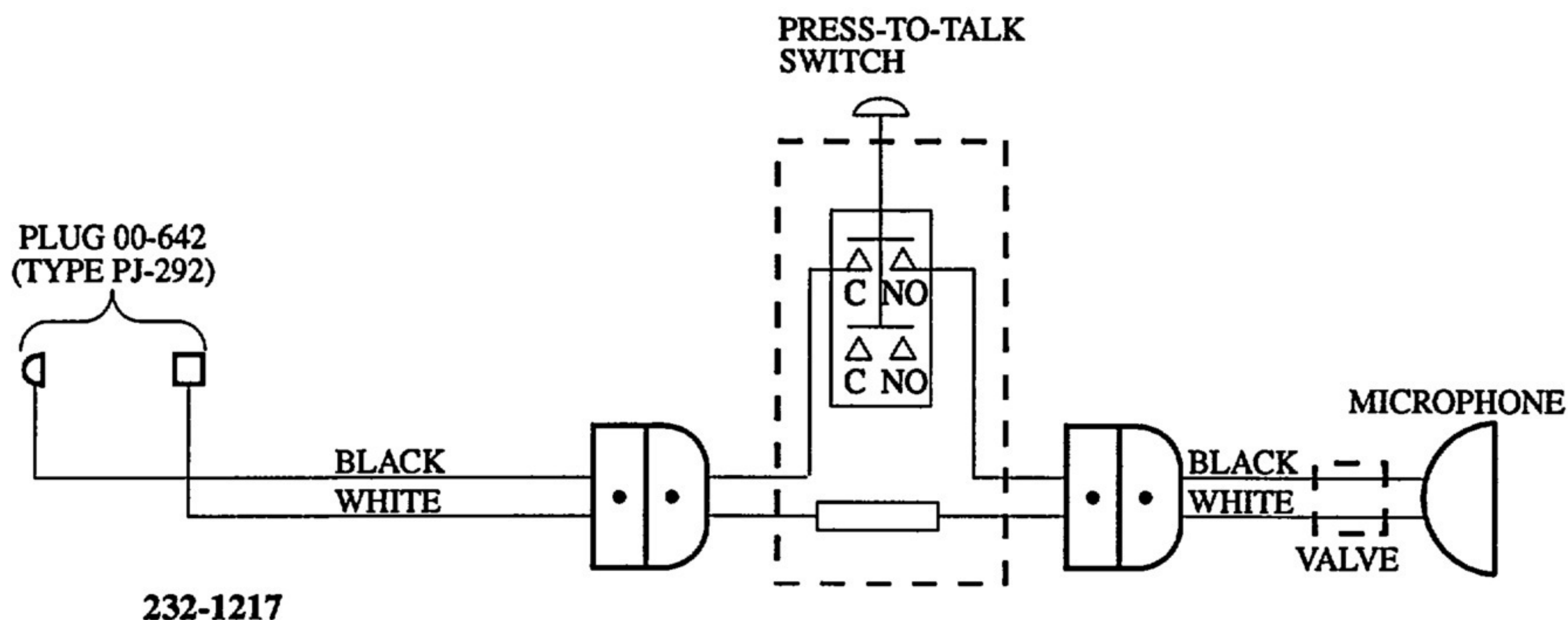
Wiring Diagrams  
Figure 101 (Sheet 5)





Wiring Diagrams  
Figure 101 (Sheet 6)





Wiring Diagrams  
Figure 101 (Sheet 7)

## B. Oxygen Supply Test

### (1) Test Set Leak Test

**WARNING:** HIGH PRESSURE OXYGEN IS USED IN THIS TEST. TO PREVENT INJURY, CHECK THE TEST SET FOR LEAKAGE BEFORE EACH TEST.

THE FOLLOWING GENERAL PRECAUTIONS APPLY WHEN WORKING WITH OXYGEN.

- NO SMOKING OR OPEN FLAMES.
- NO PETROLEUM BASED LUBRICANTS, INCLUDING LIPBALM AND LIPSTICK.
- PERIODIC INSPECTIONS BY QUALIFIED PERSONNEL.

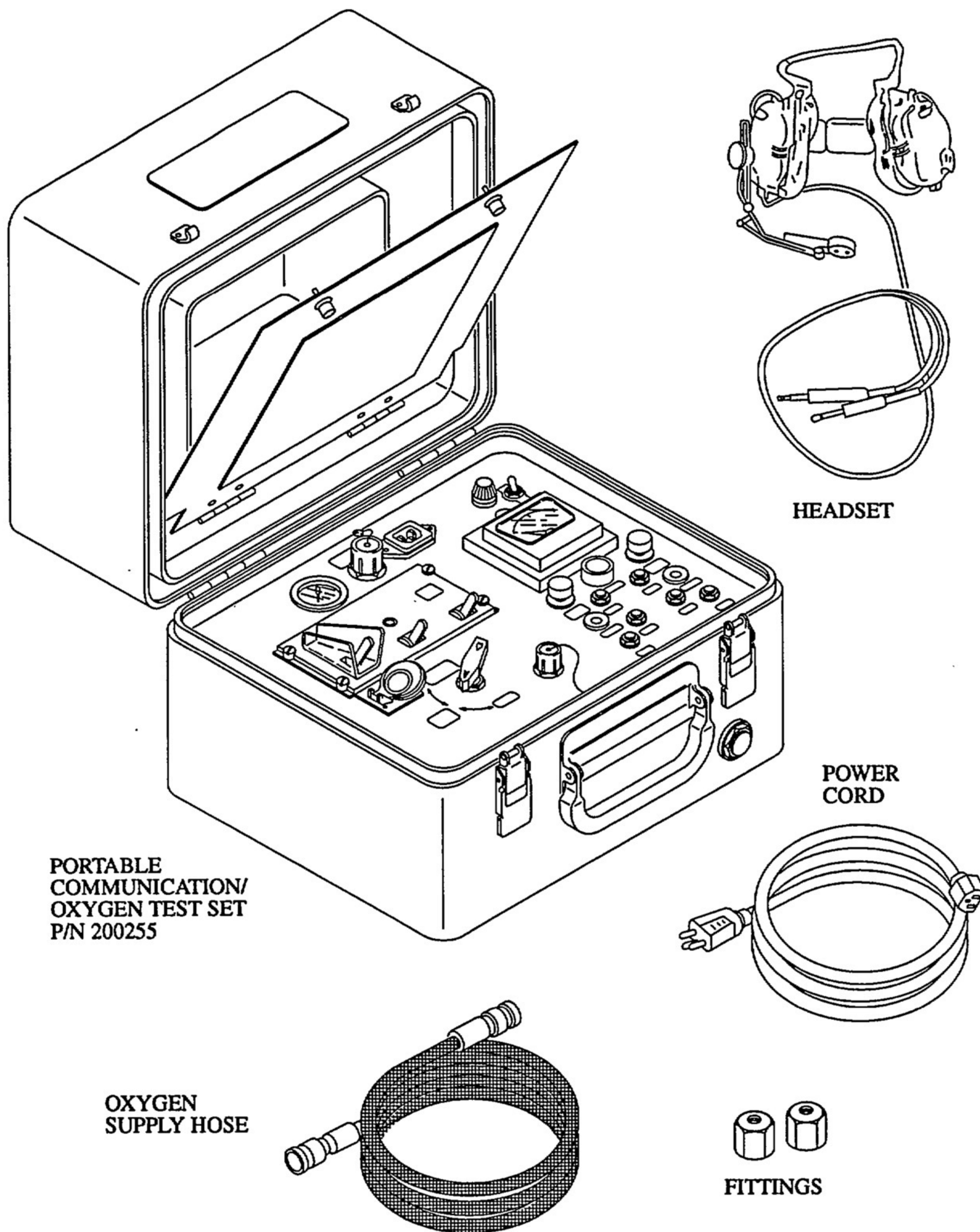
(a) Open the lid of the test set (Table 101) and remove the oxygen supply hose (P/N 00-6743).

**NOTE:** Scott Aviation document TR 405-935 (shipped with the test set) contains test set installation, operation, and maintenance instructions.

**WARNING:** TO PREVENT INJURY, USE MIL-O-27210 BREATHING OXYGEN AT A PRESSURE NOT TO EXCEED 2200 PSI (15200 KPAG).

- (b) Connect the oxygen supply hose to the OXYGEN 2200 PSI MAX fitting on the test set. Connect the other end to the regulator on the oxygen tank (Table 101).
- (c) Plug the test set power cord into a 120 VAC, 60 Hz wall socket and set the ON/OFF switch to ON. The red light next to the switch must illuminate.
- (d) Adjust the regulator on the oxygen tank to 75 to 85 psig (520 to 590 kPag).
- (e) Close the oxygen tank regulator. Verify that the reading on the pressure gage stays constant for 30 seconds. If leakage is evident, refer to TR 405-935 to repair the test set, or return the test set to Scott Aviation for service.





Portable Communication/Oxygen Test Set, Part Number 200255  
Figure 102

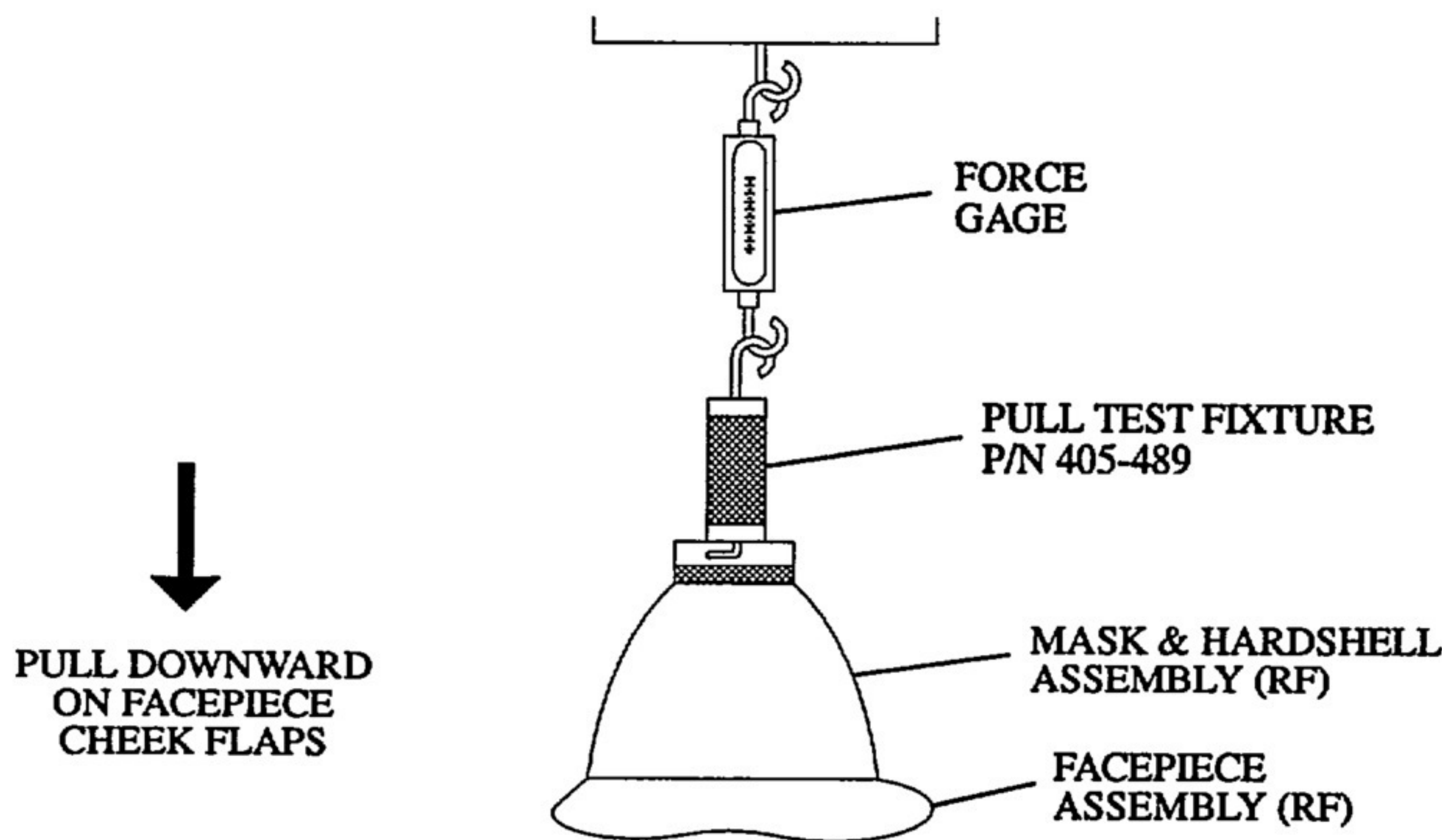


(2) Mask Test

- (a) Use the adapter supplied with the test set to connect the hose from the oxygen tank (Table 101) to the 80 PSIG OUTLET fitting on the test set.
- (b) Adjust the regulator on the oxygen tank to 75 to 85 psig (520 to 590 kPag).
- (c) Turn the oxygen control valve to 80 PSI OUT.
- (d) Don the mask and switch the regulator to 100% oxygen. Breathe normally and determine if it is difficult to inhale or exhale through the mask.
- (e) Remove the mask. Set the oxygen control valve to OXYGEN OFF.
- (f) Replace the breathing valve assembly if it is difficult to inhale or exhale through the valve.
- (g) Close the regulator valve on the oxygen tank.
- (h) Slowly loosen the adapter and bleed the oxygen from the supply hose.
- (i) Disconnect the oxygen supply hose from the test set. Stow the hose and the adapter in the lid of the test set.

C. Pull Test

- (1) Attach the pull test fixture (Table 101) to the mask bayonet ring.
- (2) Connect a force gage (Table 101) between the ring on the pull test fixture and a stable surface. Refer to Figure 103.
- (3) Pull down evenly on the facepiece cheek flaps until the force gage reads 43 lbs (20 kg). Replace the damaged parts if the facepiece tears or separates from the hardshell. Use care to avoid damage to the vent-valve, if applicable.
- (4) Disconnect the pull test fixture and the force gage.



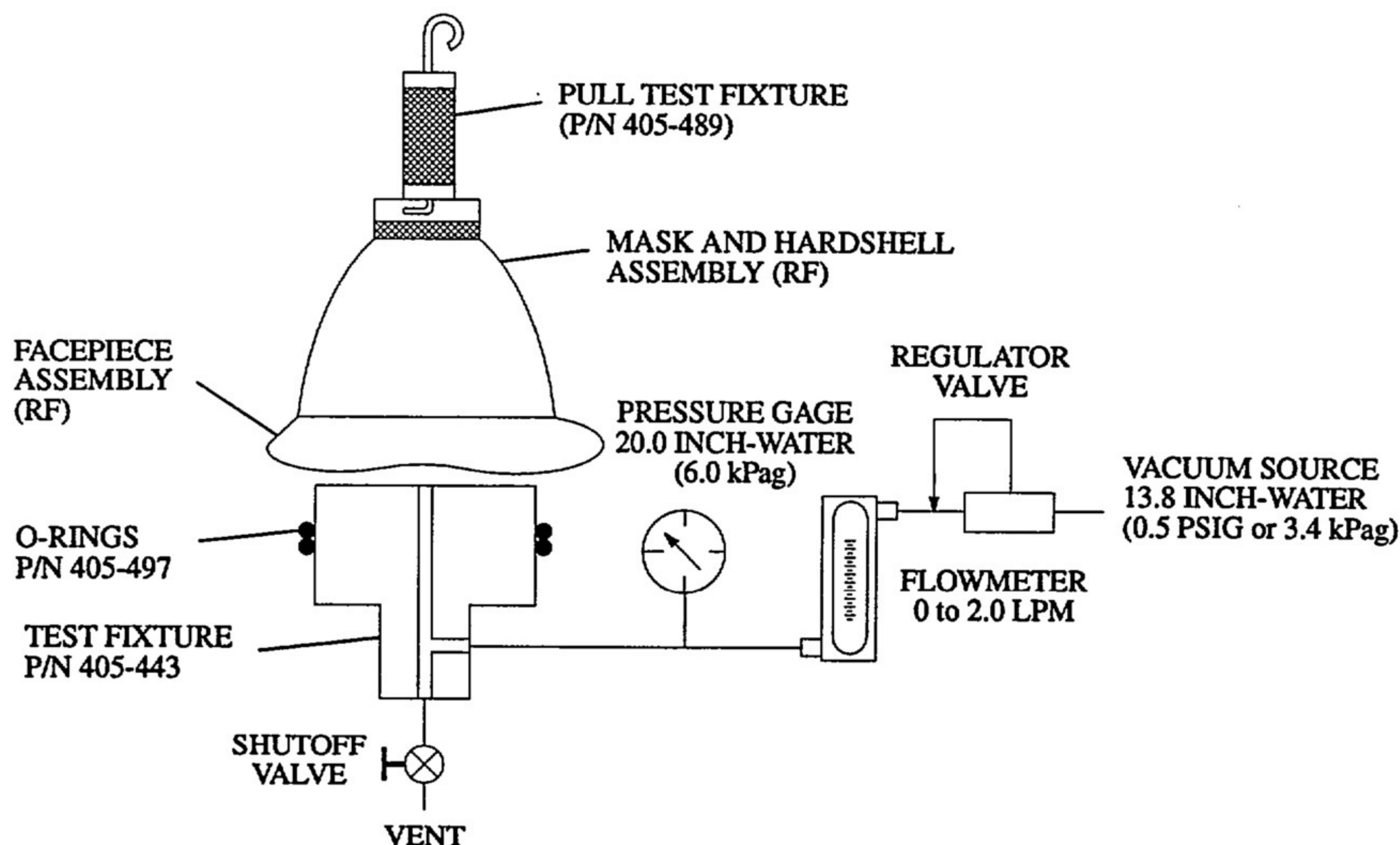
Pull Test Setup  
Figure 103



#### D. Mask & Hardshell Leak Test

**NOTE** Respiratory Breathing Air per CGA G7.1, Type I, Grade E or Federal Specification BB-A-1034 can be used in lieu of Aviator's Breathing Oxygen for this test.

- (1) Setup the test equipment as shown in Figure 104.
- (2) Stretch the facepiece assembly over the test fixture (Table 101). Roll the O-rings (Table 101) over the bottom edge of the facepiece. Ensure that the facepiece is smooth and free of wrinkles.
- (3) Connect the pull test fixture (Table 101) to the mask bayonet ring to seal the inlet to the breathing valve.
- (4) Adjust the regulator valve to apply 13.8 inch-water (0.5 psig or 3.4 kPag) suction to the inside of the mask through the test fixture.
- (5) If the leakage through the mask is greater than 100 cc per minute (0.1 LPM), check the facepiece seal on the test fixture and retest. If the mask fails a second test, check the mask & hardshell assembly for proper fit and damaged parts.
- (6) Close the regulator valve and open the shutoff valve to vent the test setup. Disconnect the pull test fixture.



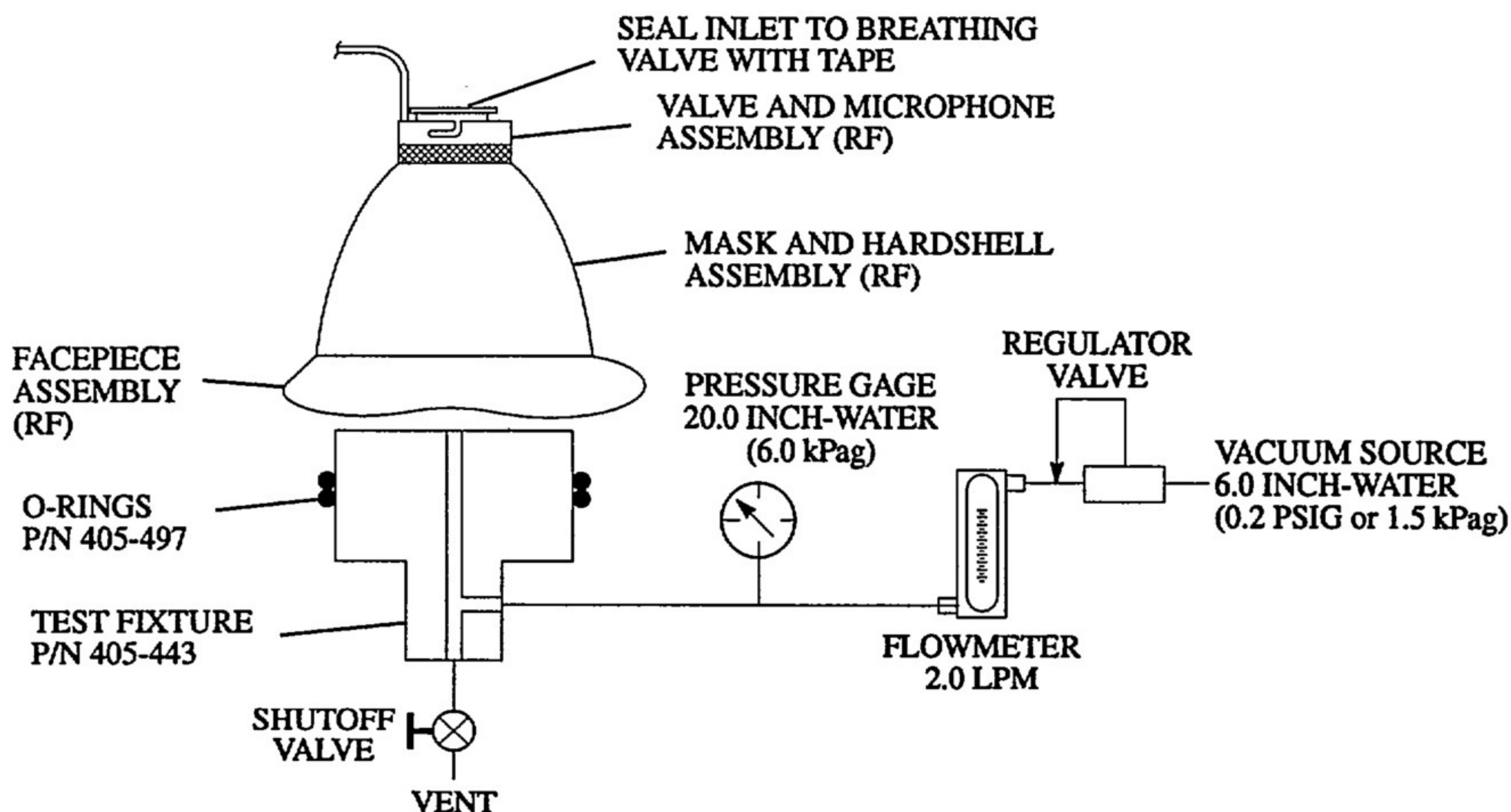
Mask & Hardshell Leak Test Setup  
Figure 104



E. Mask, Hardshell & Valve Leak Test

**NOTE** Respiratory Breathing Air per CGA G7.1, Type 1, Grade E or Federal Specification BB-A-1034 can be used in lieu of Aviator's Breathing Oxygen for this test.

- (1) Setup the test equipment shown in Figure 105.
- (2) Connect the valve, cable and plug assembly with microphone attached to the mask bayonet ring.
- (3) Stretch the facepiece assembly over the test fixture (Table 101). Roll the O-rings (Table 101) over the bottom edge of the facepiece. Make sure the facepiece is smooth and free of wrinkles.
- (4) Seal the inlet to the breathing valve with tape.
- (5) Adjust the regulator valve to apply 6 inch-water (0.2 psig or 1.5 kPag) suction to the inside of the mask through the fixture.
- (6) If the leakage through the mask is greater than 100 cc per minute (0.1 LPM), check the facepiece seal on the test fixture and retest. If the mask fails the test again, check the mask, hardshell (& vent-valve) assembly and the valve, cable & plug assembly for proper fit and damaged parts.
- (7) Close the regulator valve and open the shutoff valve to vent the test setup.



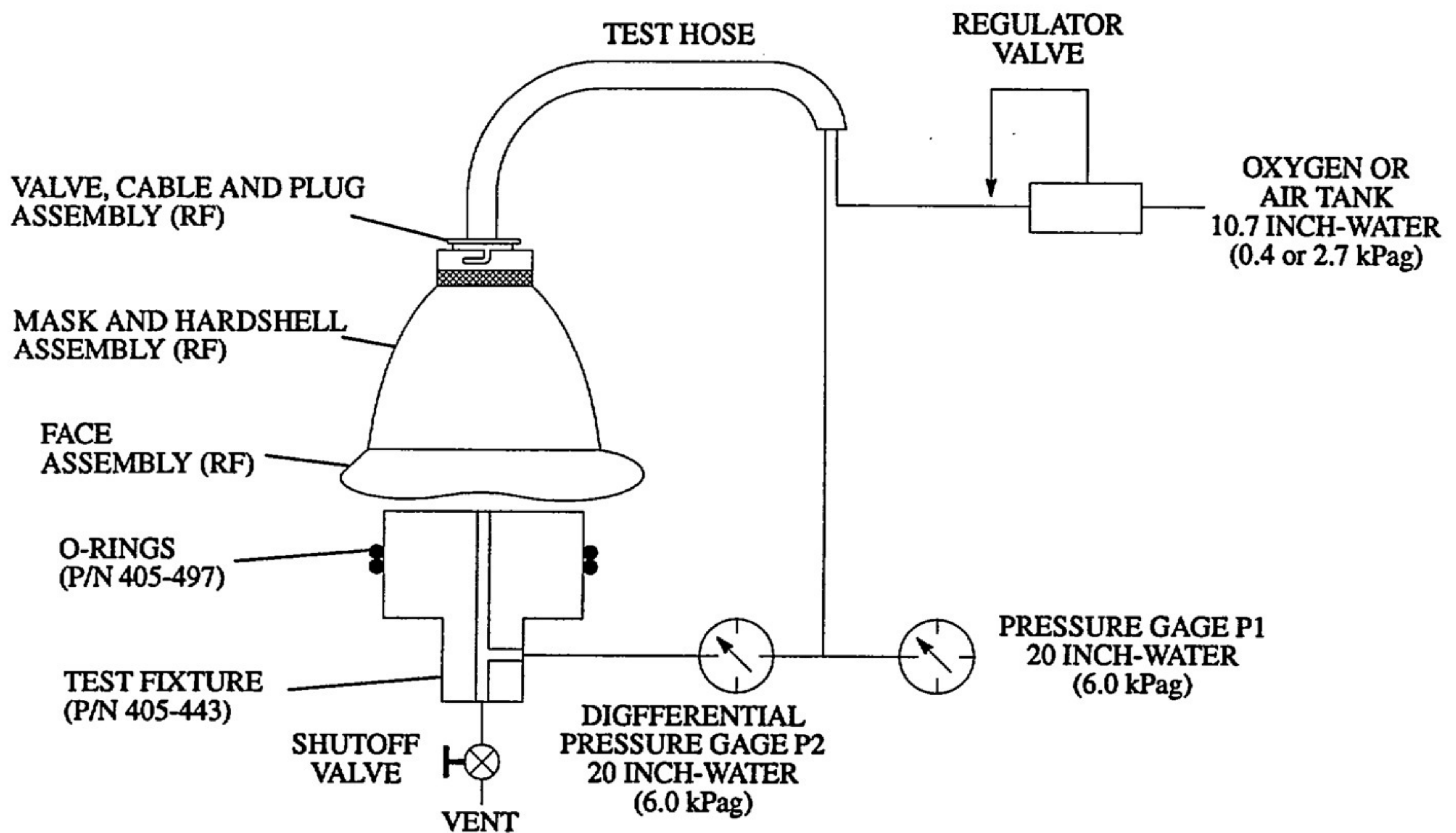
Mask, Hardshell & Valve Leak Test Setup  
Figure 105



## F. Exhalation Valve Test

**NOTE** Respiratory Breathing Air per CGA G7.1, Type I, Grade E or Federal Specification BB-A-1034 can be used in lieu of Aviator's Breathing Oxygen for this test.

- (1) Setup the test equipment shown in Figure 106.
- (2) Stretch the facepiece assembly over the test fixture (Table 101). Roll the O-rings (Table 101) over the bottom edge of the facepiece. Ensure that the facepiece is smooth and free of wrinkles.
- (3) Connect the valve & microphone assembly to the mask bayonet ring.
- (4) Connect the test hose to the breathing valve inlet adapter.
- (5) Adjust the regulator valve until 10.7 inch-water (0.4 psig or 2.7 kPag) is read on pressure gage P1. Differential pressure gage P2 must read zero inch-water.
- (6) Slowly decrease the inlet pressure until pressure gage P2 shows positive pressure (higher than the reading on pressure gage P1). The positive pressure must be maintained between the range of 8.0 to 10.2 inch-water on pressure gage P1. If not, replace the valve, cable & plug assembly (125).
- (7) Close the regulator valve and open the shutoff valve to vent the test setup.



Exhalation Valve Test Setup  
Figure 106



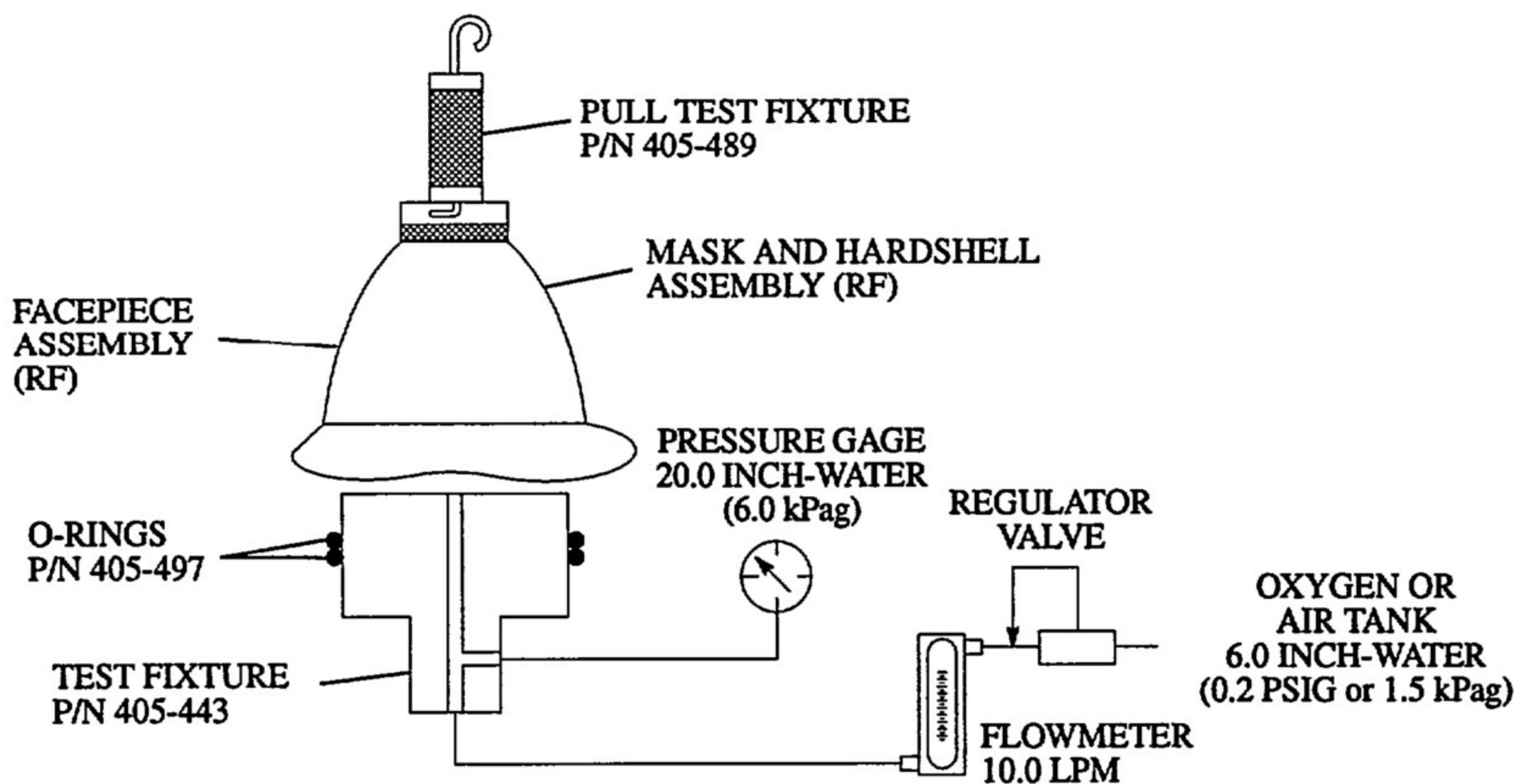
## G. Vent-Valve Test

**NOTE** Respiratory Breathing Air per CGA G7.1, Type I, Grade E or Federal Specification BB-A-1034 can be used in lieu of Aviator's Breathing Oxygen for this test.

- (1) Setup the test equipment shown in Figure 107.
- (2) Stretch the facepiece assembly over the test fixture (Table 101). Roll the O-rings (Table 101) over the bottom edge of the facepiece. Ensure that the facepiece is smooth and free of wrinkles.
- (3) Connect the pull test fixture (Table 101) to the mask bayonet ring to seal the inlet to the breathing valve.
- (4) Open the vent-valve.

**NOTE** The vent-valve operating instructions are given in Description and Operation, paragraph 4.

- (5) Adjust the regulator valve to apply 1.0 inch-water (0.2 kPag) pressure to the inside of the mask through the test fixture. The flow through the vent-valve must be 1.0 LPM minimum.
- (6) Adjust the regulator to increase the pressure to 6.0 inch-water (1.5 kPag). The flow through the vent-valve must be 5.0 LPM maximum.
- (7) Close the regulator valve.
- (8) Disassemble and check the vent-valve for damaged parts, if necessary.



Vent-Valve Test Setup  
Figure 107

#### 4. Fault Isolation Instructions

Fault isolation instructions are given in Table 102.

Fault Isolation Instructions  
Table 102

Trouble	Probable Cause	Corrective Action
No voice communications.	Broken microphone cable.	Check the microphone cable for continuity; replace the valve, cable & plug assembly if the cable is damaged.
	Damaged microphone.	Replace the microphone.
Difficult to breathe through the mask or no oxygen to the facepiece.	Breathing valve stuck or blocked.	Replace the valve, cable & plug assembly.
Leakage through the mask & hardshell assembly.	Cracks or holes in the facepiece; bayonet ring or related parts improperly installed.	Disassemble and check the mask & hardshell assembly; replace the damaged parts.
Leakage through the breathing valve.	Damaged valve.	Replace the valve, cable & plug assembly.



## DISASSEMBLY

### 1. General

**NOTE:** Refer to Testing and Fault Isolation to establish the condition of the mask or most probable cause of its malfunction. This is to determine the extent of disassembly required.

- A. This section contains disassembly instructions in the same order as the IPL. Skip unnecessary steps if only partial disassembly is required. Refer to Figure 301 for a disassembly sequence chart.
- B. Recommended tools and materials are given in Table 301.

**NOTE:** Equivalent items can be used.

### 2. Mask & Suspension Assembly

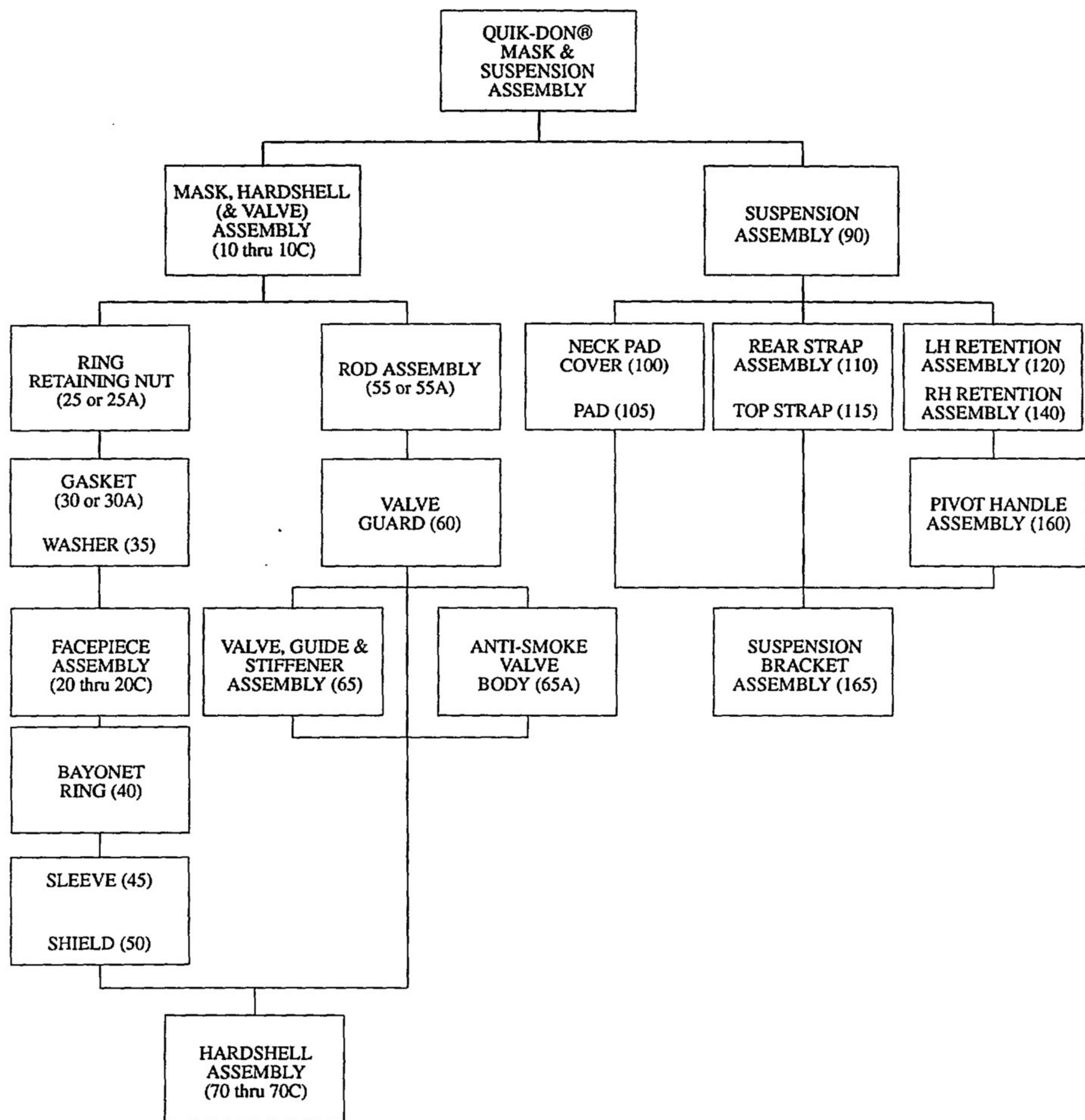
- A. Disconnect the valve, hose & communications assembly from the bayonet ring. Refer to Figure 302.
- B. Hold the suspension assembly in both hands, with your thumbs on the yoke spring clips.
- C. Push the spring clips in far enough to release the pivots on the mask & hardshell assembly (10, IPL Figure 5). Spread the yoke slightly, and remove the mask, hardshell (& valve) assembly from the suspension assembly (90).
- D. Clamp the holding fixture (Table 301) to a workbench. Refer to Figure 302.
- E. With the bayonet ring (40) down, place the mask, hardshell (& valve) assembly in the holding fixture. Lock the three pins on the bayonet ring in the detents in the fixture.
- F. Lock the pins on the nut removal wrench (Table 301) in the holes in the ring retaining nut (25 or 25A).
- G. Turn the wrench counterclockwise to remove the ring retaining nut (25 or 25A).
- H. Remove the facepiece assembly (20 thru 20C), gasket (30 or 30A), and washer (35).
- I. Remove the bayonet ring (40), compression sleeve (45), and locating shield (50).

Disassembly Tools  
Table 301

Nomenclature	Part or Specification Number	Source (CAGE)*
Holding Fixture	358-184-1	Scott Aviation (53655)
Pliers, Hose Clamp	405-134A	Scott Aviation (53655)
Wrench, Nut Removal	358-185	Scott Aviation (53655)

\* Refer to the IPL, paragraph 2, for the address.

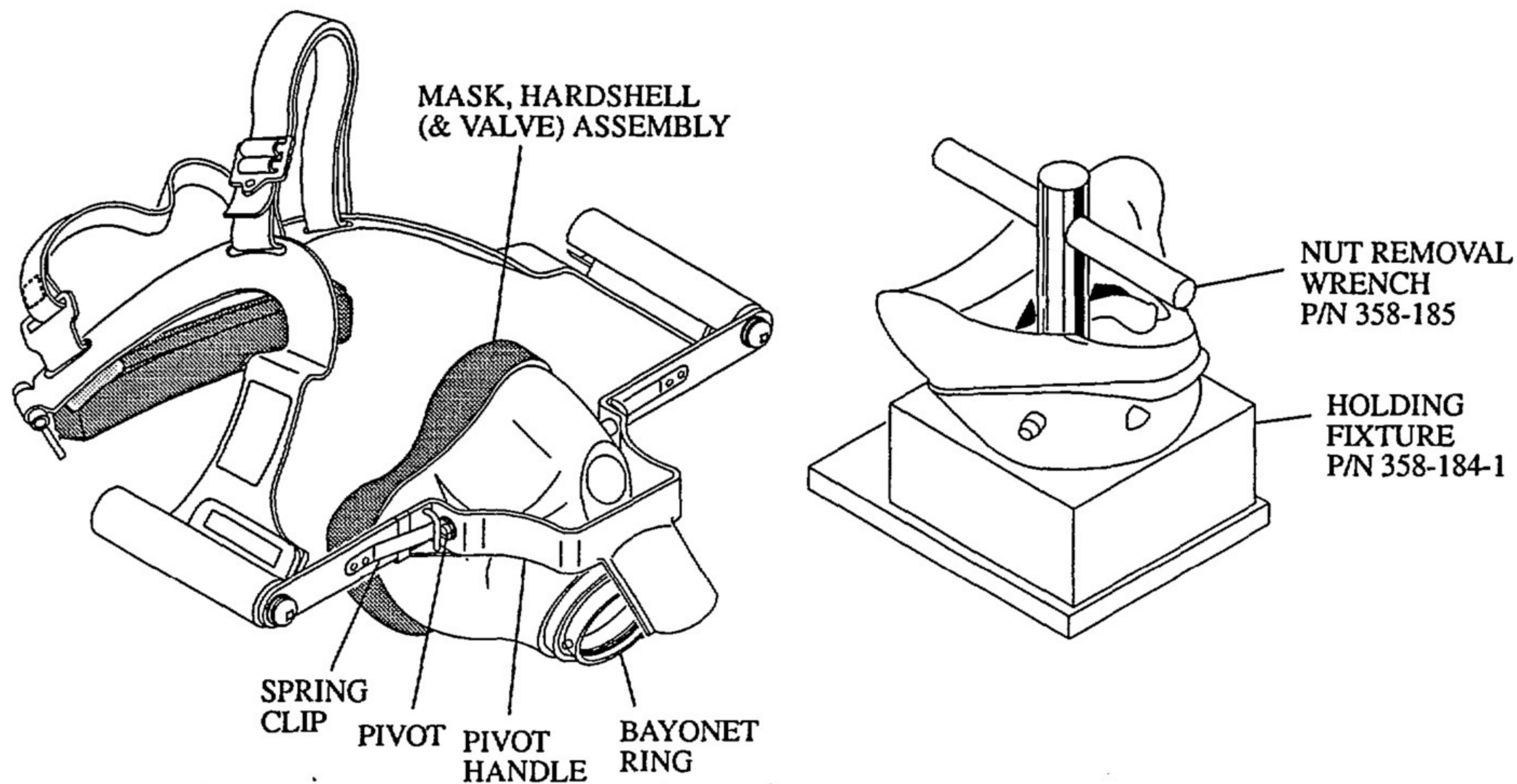




NOTE: THE ITEM NUMBERS IN PARENTHESES REFER TO IPL FIGURE 5.

Disassembly Sequence Chart  
Figure 301





Mask & Hardshell Removal from Suspension Assembly  
Figure 302

- J. Remove two screws (80), two flat washers (85), and two pivots (75).
- K. Disassemble the anti-smoke vent-valve, as follows:
  - (1) Pull out on the rod assembly (55 or 55A) to extend the rod.
  - (2) Turn the smaller diameter inside knob on the rod assembly (55 or 55A) counterclockwise six to seven turns, and pull the rod assembly from inside the hardshell assembly (70A or 70C).
  - (3) Break the adhesive bond between the valve, guide & stiffener assembly (65) or valve body (65A) and facepiece assembly (20A or 20C). Pull the vent-valve from inside the hardshell.
  - (4) Remove the valve guard (60), if applicable.
- L. Disassemble the suspension assembly (90), as follows:
  - (1) Open the neck pad cover (100). Remove the neck pad (105).
  - (2) Use a flat-edge screwdriver to open the retainers. Remove the rear strap assembly (110).
  - (3) Unbuckle and remove the top strap assembly (115).



- (4) Partially extend the left retention assembly (120) to put the spring under tension. Remove one truss head screw (125) and one lock washer (130).

**NOTE:** The screw is coated with Loctite at assembly. An impact tool may be required to remove the screw.

- (5) Partially extend the right retention assembly (140). Remove the truss head screw (145) and washer (150).

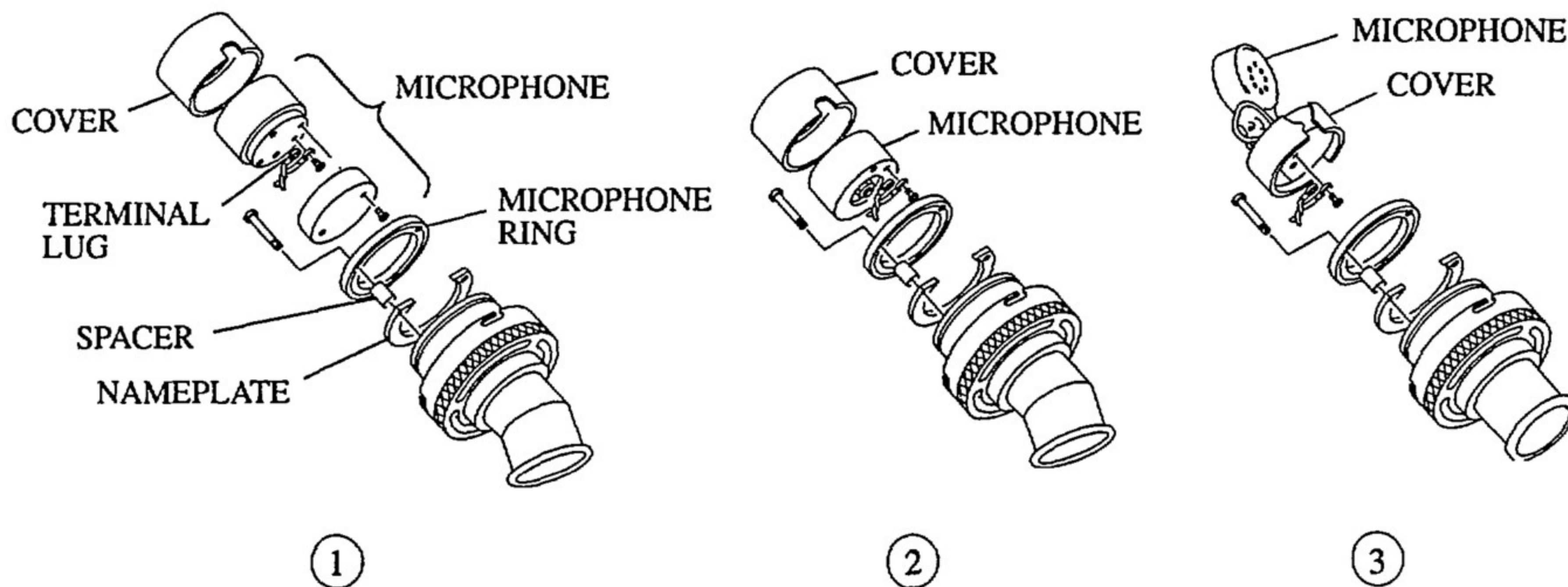
- (6) Remove the flat head screws (135 and 155) and the retention assemblies (120 and 140).

### 3. Valve, Hose & Communications Assemblies

#### A. Microphones

**NOTE:** Refer to IPL Figures 6 through 9 for item numbers.

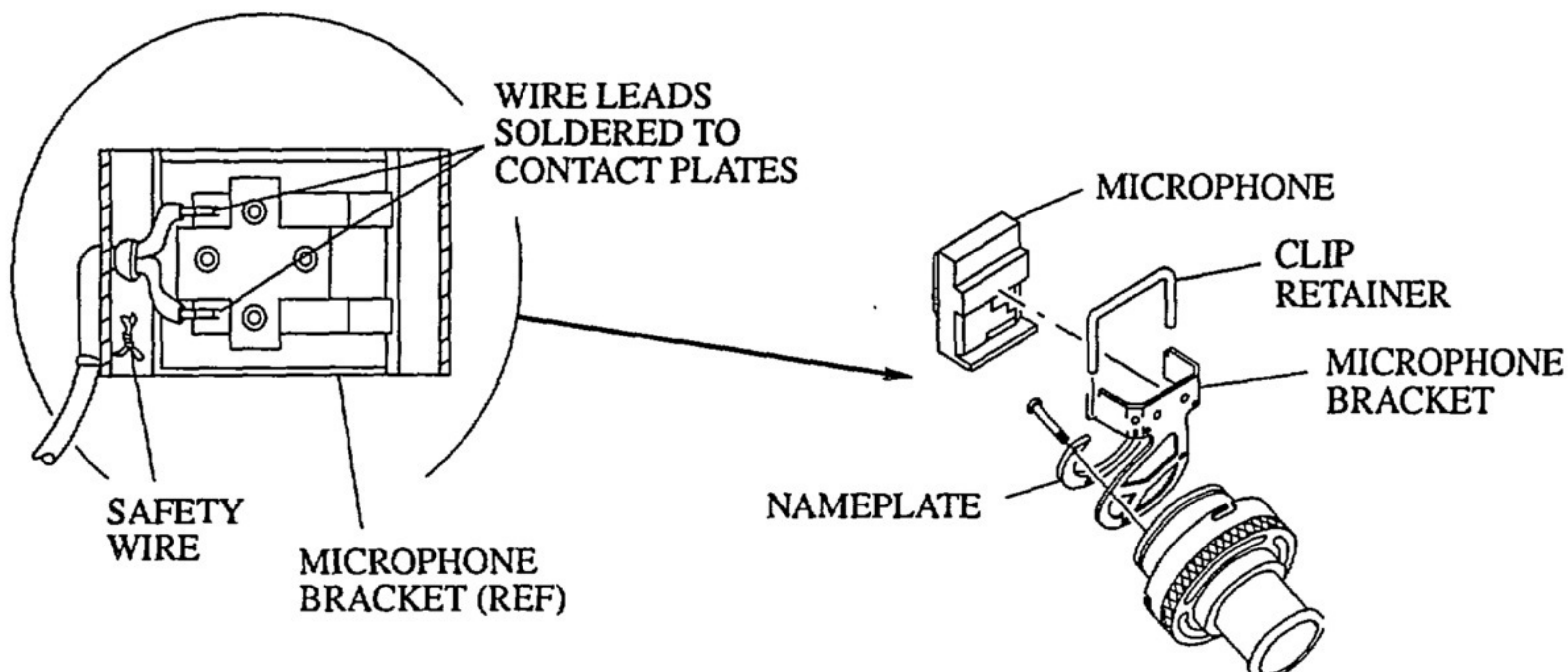
- (1) Styles 1, 2 and 3



- (a) Use a small flat-edge screwdriver or similar tool to unsnap the microphone cover from the ring.
- (b) (Style 1 ONLY) Remove two screws (supplied with the microphone), and remove the microphone backcover for access to the wire leads.
- (c) Remove two screws (supplied with the microphone) and disconnect the wire leads. Reinstall the screws in the back of the microphone for later use.
- (d) Remove three screws, the microphone housing ring, the spacers, and the nameplate.

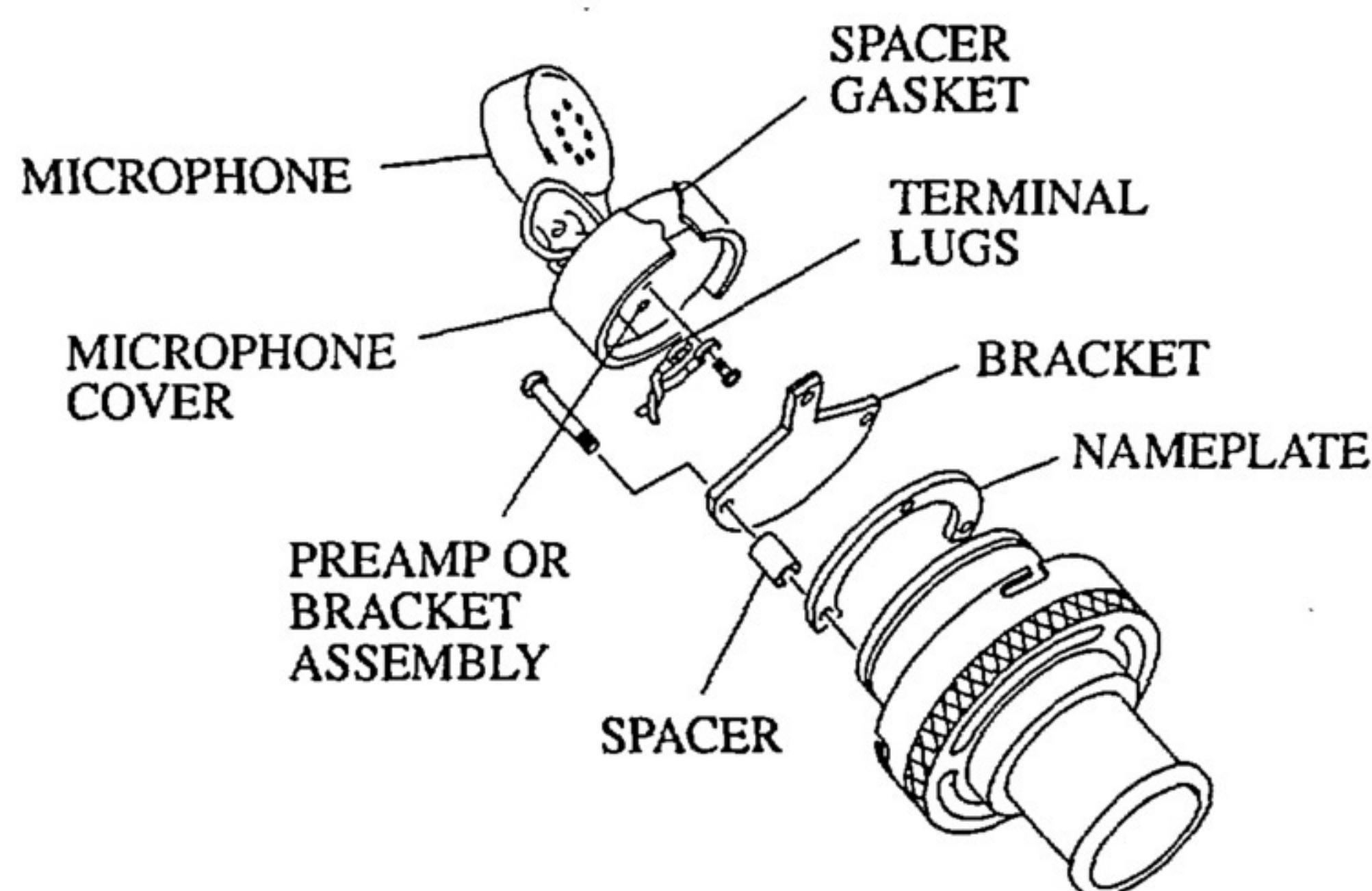


(2) Style 4



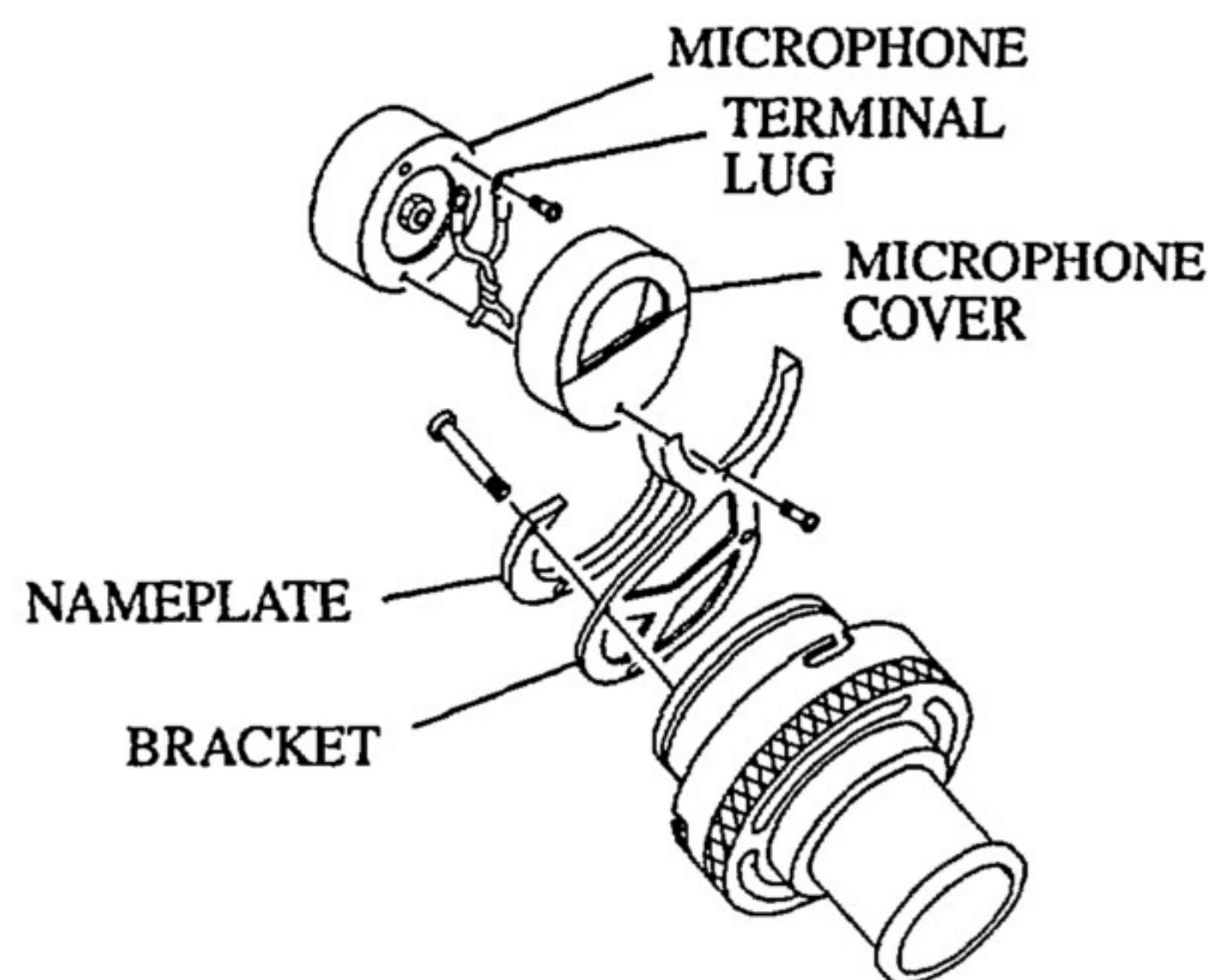
- (a) Remove the clip retainer (supplied with the bracket), and unsnap the microphone.
- (b) Remove three screws, unsolder the wire leads, and remove the nameplate and microphone bracket.

(3) Style 5



- (a) Use a small flat-edge screwdriver or an equivalent tool to unsnap the microphone cover from the bracket.
- (b) Remove two screws and disconnect the wire leads. Reinstall the screws in the back of the preamp assembly or bracket assembly, as applicable, for later use.
- (c) Separate the microphone, gasket, cover, and pre-amp assembly or bracket assembly, as needed.
- (d) Remove three screws, the bracket, three spacers, and nameplate.

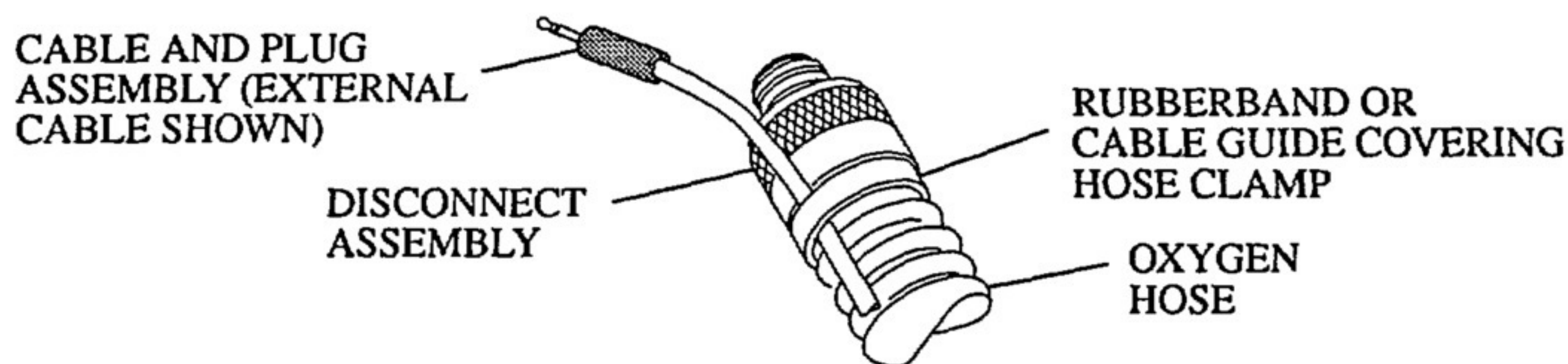
(4) Style 6



- (a) Remove one screw (supplied with the microphone) from the back side of the bracket, and lift the microphone from the cover. Reinstall the screw in the back of the microphone for later use.
- (b) Remove two screws (supplied with the microphone) and disconnect the wire leads. Reinstall the screws in the microphone for later use.
- (c) Remove three screws, the nameplate, and the bracket.

B. Disconnect Assemblies

**NOTE:** Refer to IPL Figures 6 through 9 for item numbers.

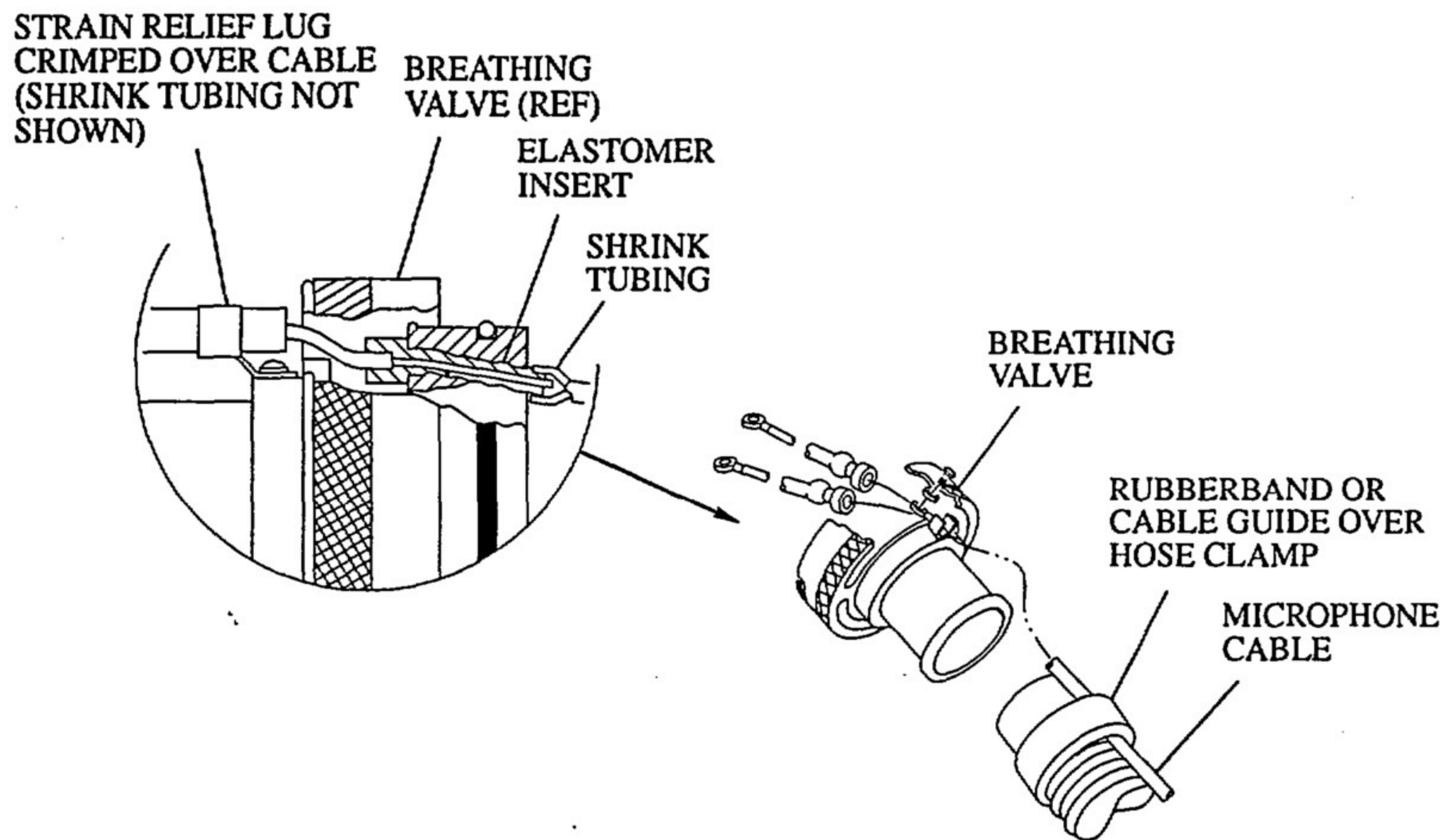


- (1) Peel back the rubberband or cable guide to expose the hose clamp.
- (2) Use the hose clamp pliers (Table 301) to loosen or remove the hose clamp.
- (3) Pull the disconnect assembly from the oxygen hose. Do not attempt further disassembly.



### C. Breathing Valves

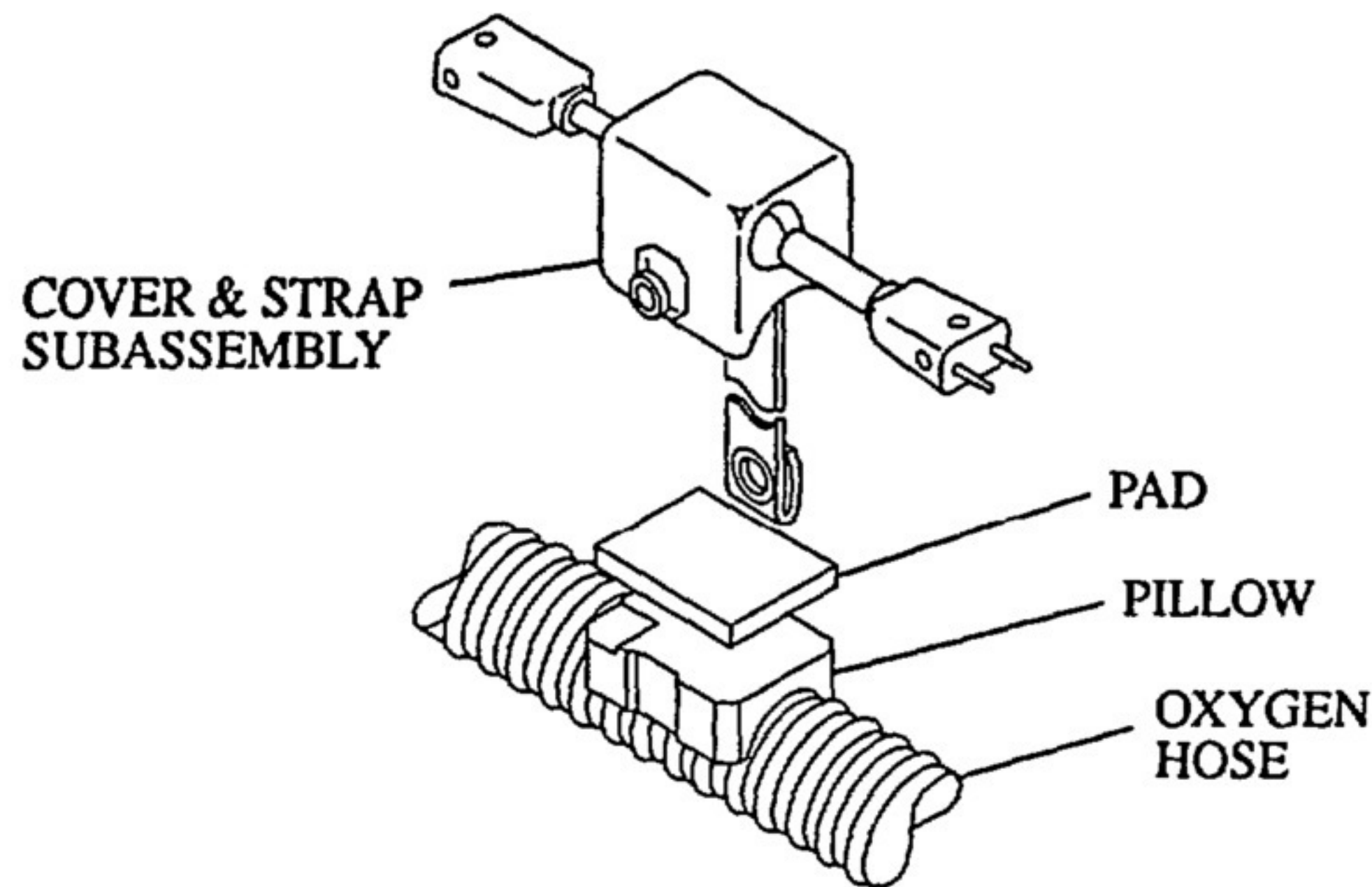
**NOTE:** Refer to Repair to replace the microphone cables and plugs. Refer to IPL Figures 6 through 9 for item numbers.



- (1) Remove the microphone and related parts (refer to Disassembly, paragraph 3.A, above).
- (2) Peel back the rubberband or cable guide to expose the hose clamp.
- (3) Use the hose clamp pliers (Table 301) to loosen or remove the hose clamp.
- (4) Cut the shrink tubing over the strain relief lug, where the lug is crimped over the cable. Pry the lug open to release the cable.
- (5) Remove one washer and screw, and remove the strain relief lug.
- (6) Pull the valve assembly from the hose.
- (7) Use needle nose pliers to pull the two elastomer inserts from the hose side of the valve.

#### D. Pre-Amplifier Assemblies

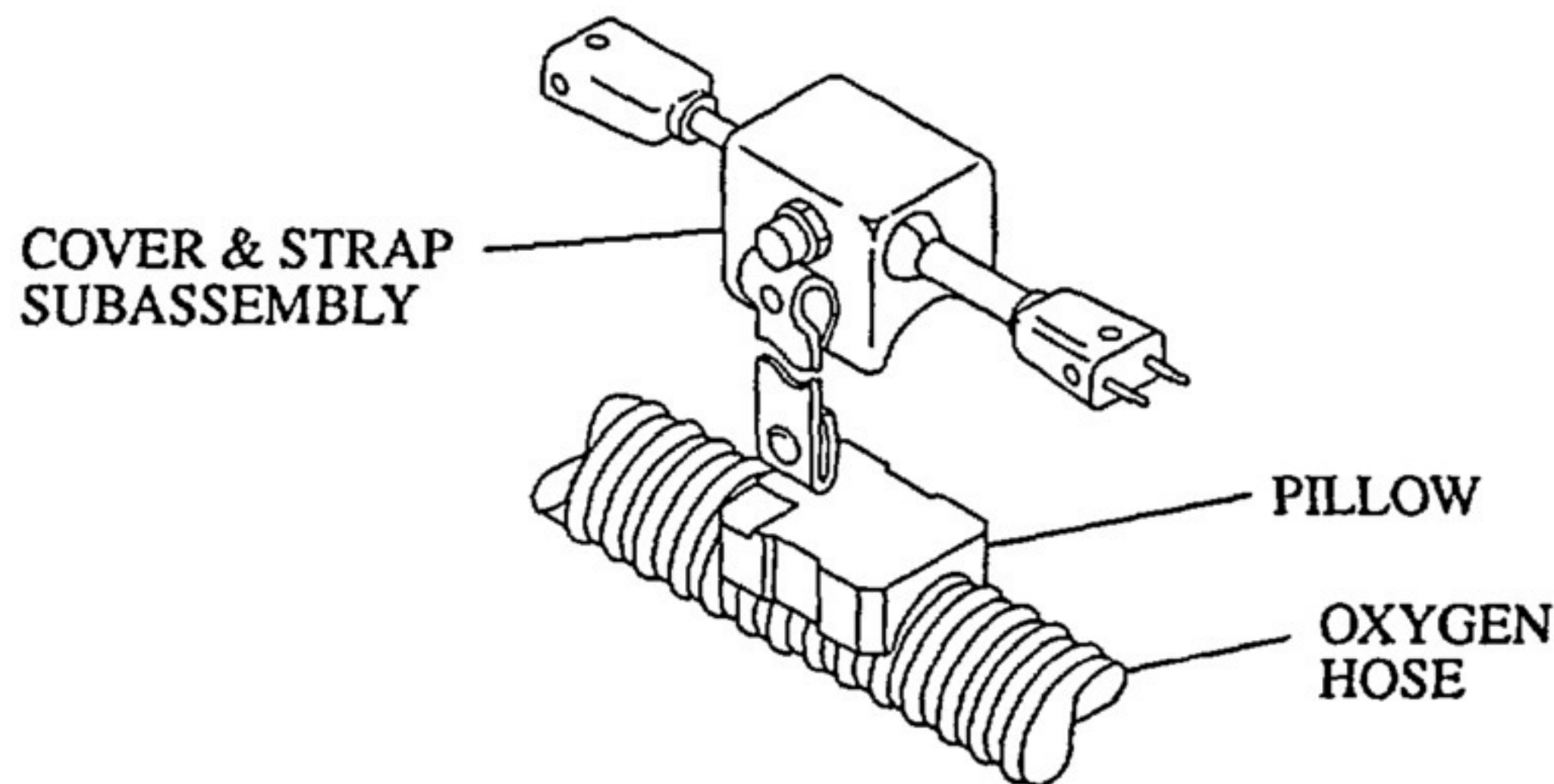
**NOTE:** Refer to IPL Figures 6 thru 9 for item numbers.



- (1) Unsnap the cover & strap subassembly.
- (2) Lift the cover & strap subassembly away from the hose. Remove the pillow and pad. Keep these items with the cover & strap subassembly for later use.

#### E. Press-To-Talk Switch Assemblies

**NOTE:** Refer to IPL Figures 6 thru 9 for item numbers.



- (1) Unsnap the cover & strap subassembly.
- (2) Lift the cover & strap subassembly away from the hose. Remove the pillow. Keep the pillow with the cover & strap subassembly for later use.



## CLEANING

### 1. General

- A. The masks are part of the aircraft breathing oxygen supply system. The cleanliness standards given below apply.

**WARNING:** DO NOT USE OIL OR OTHER PETROLEUM BASE LUBRICANTS ON OXYGEN EQUIPMENT. THE LUBRICANTS ARE A FIRE HAZARD IN OXYGEN-RICH ENVIRONMENTS.

- (1) Work areas to assemble, check, and test the masks must be clean and free of oils and lubricants.
- (2) All test equipment, tools, and fixtures used to assemble, check, and test the masks must be cleaned to remove oils before use.
- (3) All mask subassemblies and detail parts must be cleaned before reassembly.

- B. Recommended cleaning materials are given in Table 401.

**NOTE:** Equivalent items can be used.

Cleaning Materials  
Table 401

Nomenclature	Part or Specification Number	Source
Cloth, Disposable, Lint-free	---	Commercially Available
Disinfectant, Zephiran Chloride	00-2572	Scott Aviation or Medical Chemical Corp. P.O. Box 445 Santa Monica, CA 90404
Powder, Dusting, "Neo-Novacite"	00-736	Scott Aviation or Malvern Mineral Co. P.O. Box 1246 Hot Springs, AR 71902-1246
Soap, Liquid Detergent	household type	Commercially Available
Water, Distilled	---	Commercially Available



2. Mask & Hardshell Assemblies

**CAUTION:** HOT WATER ABOVE 140°F (60°C) CAN DAMAGE RUBBER AND PLASTIC PARTS.

- A. Mix one-half teaspoon mild household detergent (Joy, Dove, etc.) in one gallon warm water.
- B. Wash the mask & hardshell assembly with a lint-free cloth and soapy water, then rinse in clean water. Do not soak the hardshell.
- C. Prepare a 3:1 solution of disinfectant and warm distilled water (three parts disinfectant to one part water).
- D. Wash the facepiece inside and out with a lint-free cloth and the disinfectant solution. Pay particular attention to the face seal and the area inside the facepiece around the bayonet ring.
- E. Let the mask & hardshell assembly dry at room temperature.
- F. Lightly dust the facepiece inside and out with neo-novacite powder (Table 401). Shake the facepiece to remove excess powder.

3. Breathing Valves

**CAUTION** HOT WATER ABOVE 140°F (60°C) CAN DAMAGE RUBBER AND PLASTIC PARTS. DO NOT USE THE SAME WATER USED FOR THE MASK & HARDSHELL ASSEMBLY.

- A. Mix one-half teaspoon mild household detergent (Joy, Dove, etc.) in one gallon warm water.

**CAUTION:** WATER CAN DAMAGE THE MICROPHONE. DO NOT SUBMERGE THE MICROPHONE OR MICROPHONE CABLE IN THE WATER.

- B. Submerge the valve in the detergent bath, and slowly move the valve back and forth to gently force water through the diaphragm and other parts.
- C. Repeat step B, above, in clean water to rinse the valve.

**CAUTION:** DO NOT PROBE INTO THE VALVE WITH ANY INSTRUMENT OR ATTEMPT TO SWAB OUT THE VALVE. DO NOT USE HEAT OR AIR BLAST TO DRY THE VALVE.

- D. Let the valve dry at room temperature.



4. Microphones

- A. Prepare a 3:1 solution of disinfectant and warm distilled water (three parts disinfectant to one part water).

**CAUTION:** MAKE SURE THE CLEANING CLOTH IS ONLY SLIGHTLY DAMP BEFORE WIPING THE MICROPHONE.

- B. Wash the microphone with a damp, lint-free cloth and the disinfectant solution.

**CAUTION:** DO NOT USE HEAT OR AIR BLAST TO DRY THE MICROPHONE.

- C. Let the microphone dry at room temperature.

5. Other Parts

- A. Wash the remaining parts, as necessary, with lint-free cloths and soapy water.

- B. Rinse the parts with lint-free cloths and clean water.

- C. Let the parts dry at room temperature.

## CHECK

### 1. General

- A. Component check procedures are given in Table 501. Check the components at disassembly and after cleaning. The mask assemblies should be checked at least annually while in service.
- B. Use bright light and 4 to 10 power magnification to aid visual checks.
- C. The masks are part of the aircraft breathing oxygen supply system. The cleanliness standards given below apply.

**WARNING:** DO NOT USE OIL OR OTHER PETROLEUM BASE LUBRICANTS ON OXYGEN EQUIPMENT. THE LUBRICANTS ARE A FIRE HAZARD IN OXYGEN-RICH ENVIRONMENTS.

- (1) Work areas to assemble, check, and test the masks must be clean and free of oils and lubricants.
- (2) All test equipment, tools, and fixtures used to assemble, check, and test the masks must be cleaned to remove oils before use.

Check Procedures  
Table 501 (Sheet 1 of 2)

Component	Check For	Corrective Action
<b>GENERAL INSPECTION REQUIREMENTS</b>		
All parts	Cleanliness	Clean parts.
All parts	Nicks, cracks, cuts, scoring, gouges, distortion, corrosion, or other damage which could impair operation.	Repair minor nicks and scratches; replace damaged parts.
All parts listed in Fits and Clearances	Dimensions and play within service wear tolerances.	Replace parts with excessive wear.
<b>MASK &amp; SUSPENSION ASSEMBLIES (IPL FIGURE 5)</b>		
Nameplates (5 thru 5C, 15 thru 15C)	Unreadable; torn or peeling edges.	Replace.
Facepiece Assembly (20 thru 20C)	Cracks or tears (gently stretch the facepiece to check).	Replace.



Check Procedures  
Table 501 (Sheet 2)

Component	Check For	Corrective Action
<b>MASK &amp; SUSPENSION ASSEMBLIES (IPL FIGURE 5) (Continued)</b>		
Bayonet Ring (40)	Broken bayonet pins; excessive wear around the outside ring surface; if bayonet ring is installed in hardshell, check to see if ring is loose.	Replace.
Rod Assembly (55 or 55A)	Bent rod.	Replace.
Hardshell Assembly (70 thru 70C)	Cracks or deformation; loose or missing pivots.	Replace hardshell or pivot.
Neck Pad Cover (100)	Torn, opened, or missing fasteners.	Replace or refasten cover, as applicable.
Rear and Top Straps (110 and 115)	Broken threads at sewn connections; excessive dirt or hair oils.	Replace.
Suspension Bracket Assembly (165)	Bent brackets; broken hinges. Unreadable.	Replace.
<b>VALVE, HOSE &amp; COMMUNICATIONS ASSEMBLIES (IPL FIGURES 6 THRU 9)</b>		
Nameplate and Identification Tag		Replace nameplate or identification tag.
Breathing Valve Assembly	Worn indents for bayonet ring pins; excessive wear around inner mating surface.	Replace.
Communications Cables	Broken; worn insulation.	Replace.
Communication Plugs	Broken, bent, or loose pins; cracked case.	Replace.
Hose Assembly	Cracks or tears; inelasticity due to age or degradation.	Replace.



## REPAIR

### 1. General

- A. This section contains procedures for replacement of damaged microphone plugs and cables.

**NOTE:** The cable connections to many microphone plugs are soldered. Scott Aviation recommends that repair facilities which do not regularly repair electrical components order the next higher assembly, typically a cable & plug assembly or valve, cable & plug assembly, rather than attempt to replace plugs and cables.

- B. Recommended materials are given in Table 601.

**NOTE:** Equivalent items can be used.

- C. The masks are part of the aircraft breathing oxygen supply system. The cleanliness standards given below apply.

**WARNING:** DO NOT USE OIL OR OTHER PETROLEUM BASE LUBRICANTS ON OXYGEN EQUIPMENT. THE LUBRICANTS ARE A FIRE HAZARD IN OXYGEN-RICH ENVIRONMENTS.

- (1) Work areas to assemble, check, and test the masks must be clean and free of oils and lubricants.
- (2) All test equipment, tools, and fixtures used to assemble, check, and test the masks must be thoroughly cleaned to remove oils before use.

### 2. Replacement of Damaged Plugs or Cables

- A. Removal

- (1) If only the microphone plug must be replaced, do the following:
  - (a) Remove the cover to expose the wire connections.

Repair Materials  
Table 601

Nomenclature	Part or Specification Number	Source (CAGE)*
Cloth, Disposable, Lint-Free	---	Commercially Available
Solder, Composition Sn63WRMAP2	Federal Specification QQ-S-571	Commercially Available

\* Refer to the IPL, paragraph 2, for the address.



**CAUTION:** USE NEEDLE NOSE PLIERS AS A HEAT SINK WHEN UNSOLDERING WIRE LEADS.

- (b) Remove the terminal lug screws or unsolder the wire leads, as applicable.

**NOTE:** The wire leads are shown in Figure 601. To use Figure 601, do the following:

- Read the valve, cable (& plug) assembly part number stamped on the nameplate under the microphone (for example, refer to Item 95 in IPL Figure 6).
- Turn to the appropriate sheet of Figure 601.
- Find the part number in the VALVE, CABLE & PLUG ASSEMBLY column. The required cable length and other information is given opposite the part number.

- (c) Remove the strain relief clips, terminal lugs, bushings, and other parts, as applicable.

- (2) If the microphone cable must be replaced, do the following:

**NOTE:** To replace internal-hose microphone cables (IPL Figure 8), replace the hose & plug assembly (items 180 thru 180F) or the hose & cable assembly (items 210 thru 210E), as applicable.

- (a) Remove the microphone plug(s) from both ends of the cable (step 1, above).
- (b) Slide the rubberband(s) or cable guide(s) off the hose, as applicable, and remove the cable.

## B. Installation

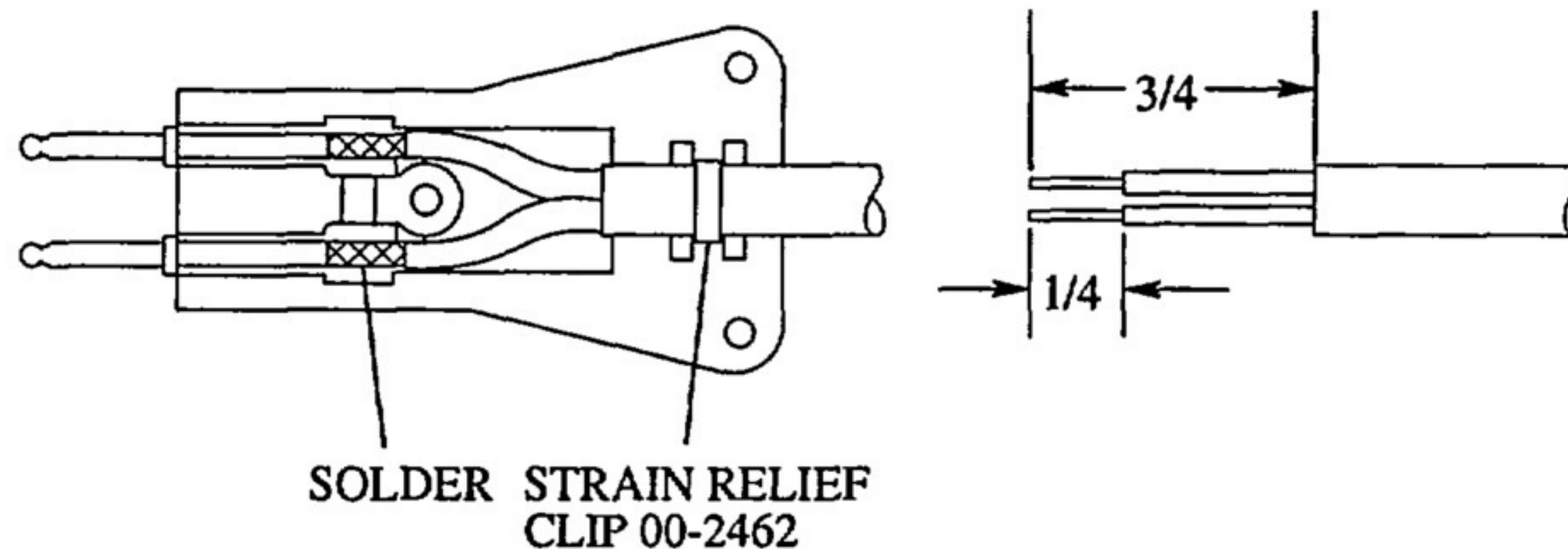
**CAUTION:** DO NOT TRIM THE MICROPHONE END OF THE CABLE UNTIL THE BREATHING VALVE IS INSTALLED.

- (1) Cut the cable to the overall length given in Figure 601, and trim the cable as shown in the illustration.
- (2) Attach the cable to the oxygen hose with rubberband(s) or cable guide(s), as applicable.

**CAUTION:** USE NEEDLE NOSE PLIERS AS A HEAT SINK WHEN SOLDERING WIRE LEADS.

- (3) Attach the wire leads to the appropriate plug terminals. Refer to Figure 601.
- (4) Install the plug cover. Tighten securely.
- (5) Refer to Assembly to install the breathing valves and microphones.

**PLUG 00-642  
TYPE PJ-292**

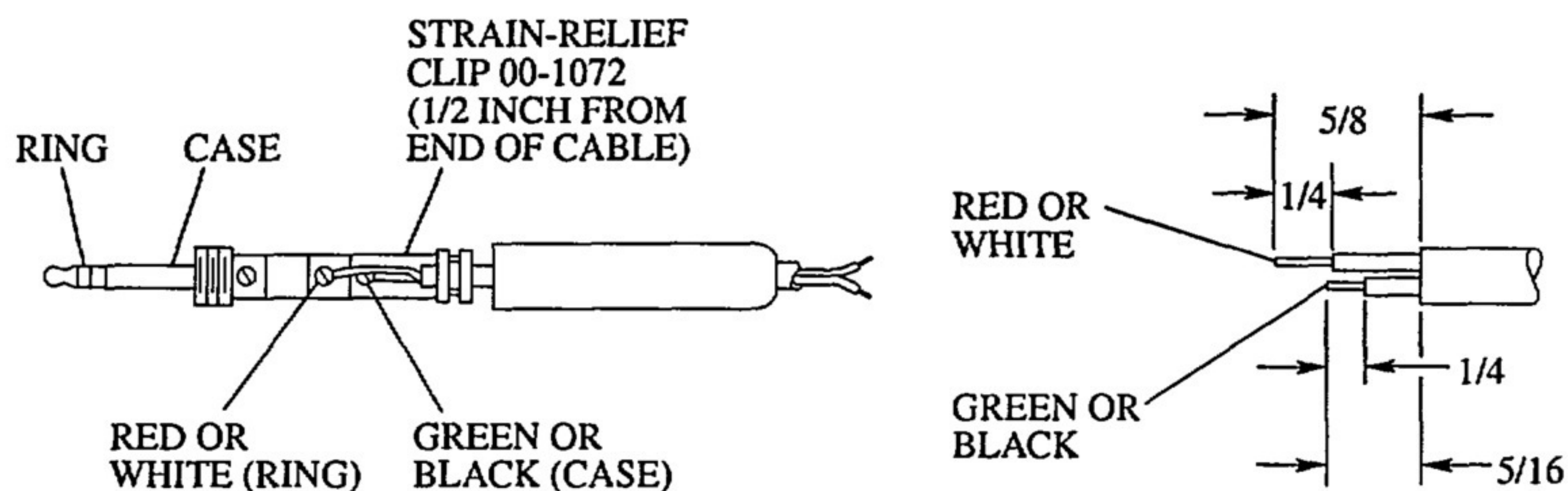


Valve, Cable & Plug Assembly Part Number	Cable Part Number	Opposite Cable End Attaches To	Overall Cable Dimensions	
			inches	cm
232-1028	232-1034	Plug 00-961	60 ±1/2	152.5 ±1.3
232-1082	00-4637	Microphone	30-3/4 ±1/16	78.1 ±0.2
232-1126	232-1127	Microphone	---	---
232-1160	00-4335	Microphone	63 ±1/8	160.0 ±0.3
232-1167	Internal	Microphone	---	---
232-1202	Internal	Microphone	---	---
232-1205	00-4637	Microphone	30-3/4 ±1/8	78.1 ±0.3
232-1220-1	00-4637	Microphone	19 ±1/8	48.3 ±0.3
232-1224	00-4637	Microphone	36-5/8 ±1/4	93.0 ±0.6
232-1245	00-4637	Microphone	30-3/4 ± 1/8	78.1 ±0.3
232-1329	Internal	Microphone	---	---

Microphone, Cable & Plug Replacement  
Figure 601 (Sheet 1 of 9)

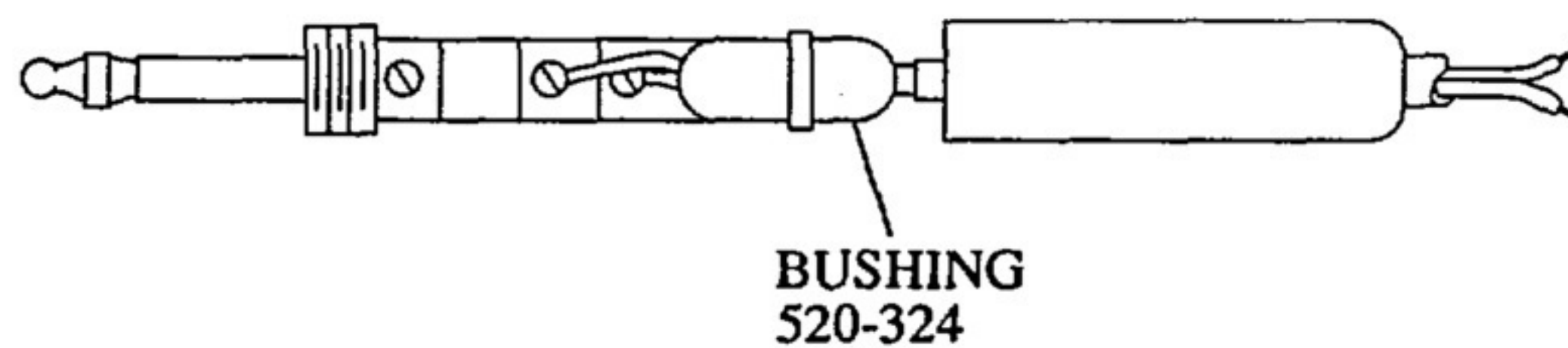


### PLUG 00-652 TYPE PJ-068 (WITH 2 CONDUCTOR CABLE)



NOTE: RED AND GREEN WIRES ARE USED IN MASKS WITH INTERNAL MICROPHONE CABLES (IPL FIGURE 8). WHITE AND BLACK WIRES ARE USED WITH ALL OTHER MASK ASSEMBLIES.

WHEN PLUG 00-652 IS USED WITH SMALL DIAMETER CABLES, INSTALL 520-324 BUSHING AS SHOWN BELOW.



Microphone, Cable & Plug Replacement  
Figure 601 (Sheet 2)

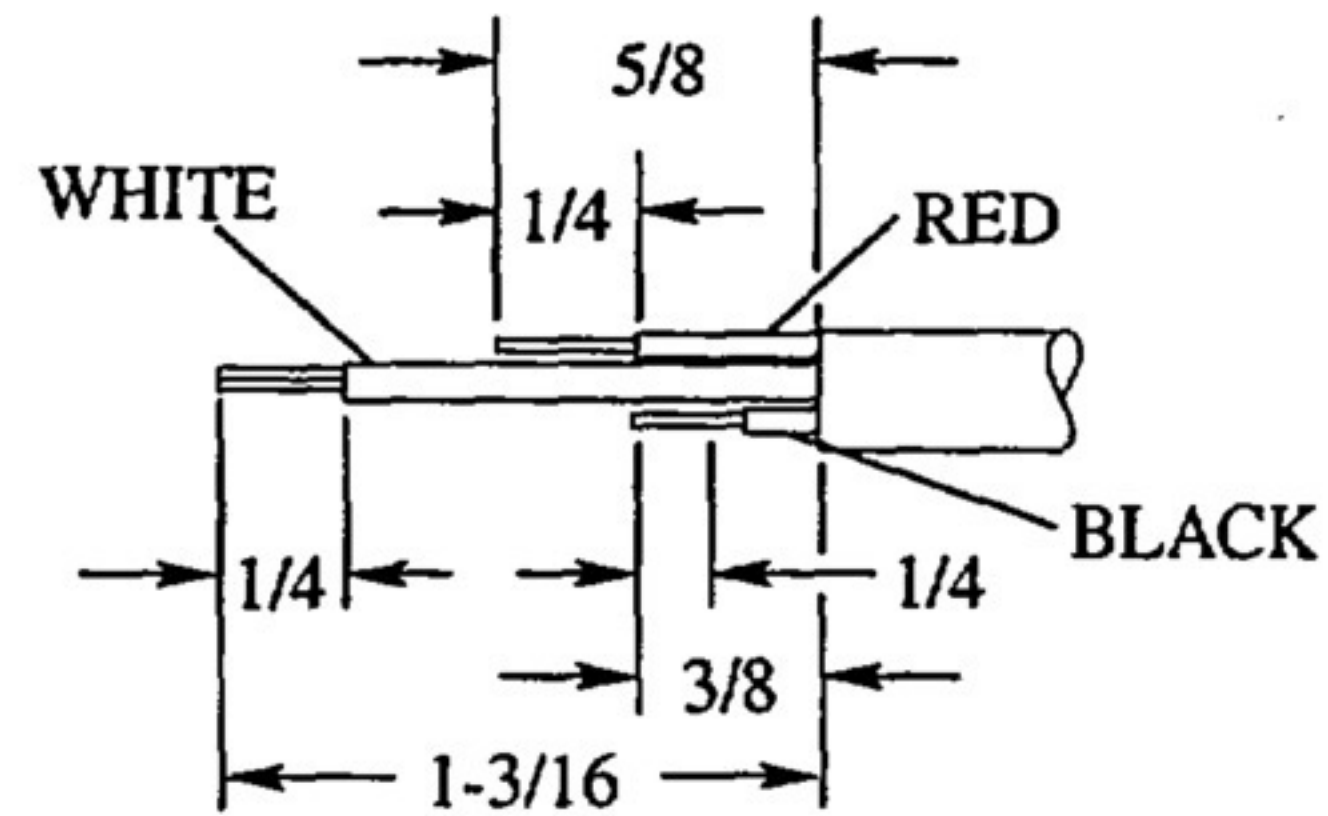
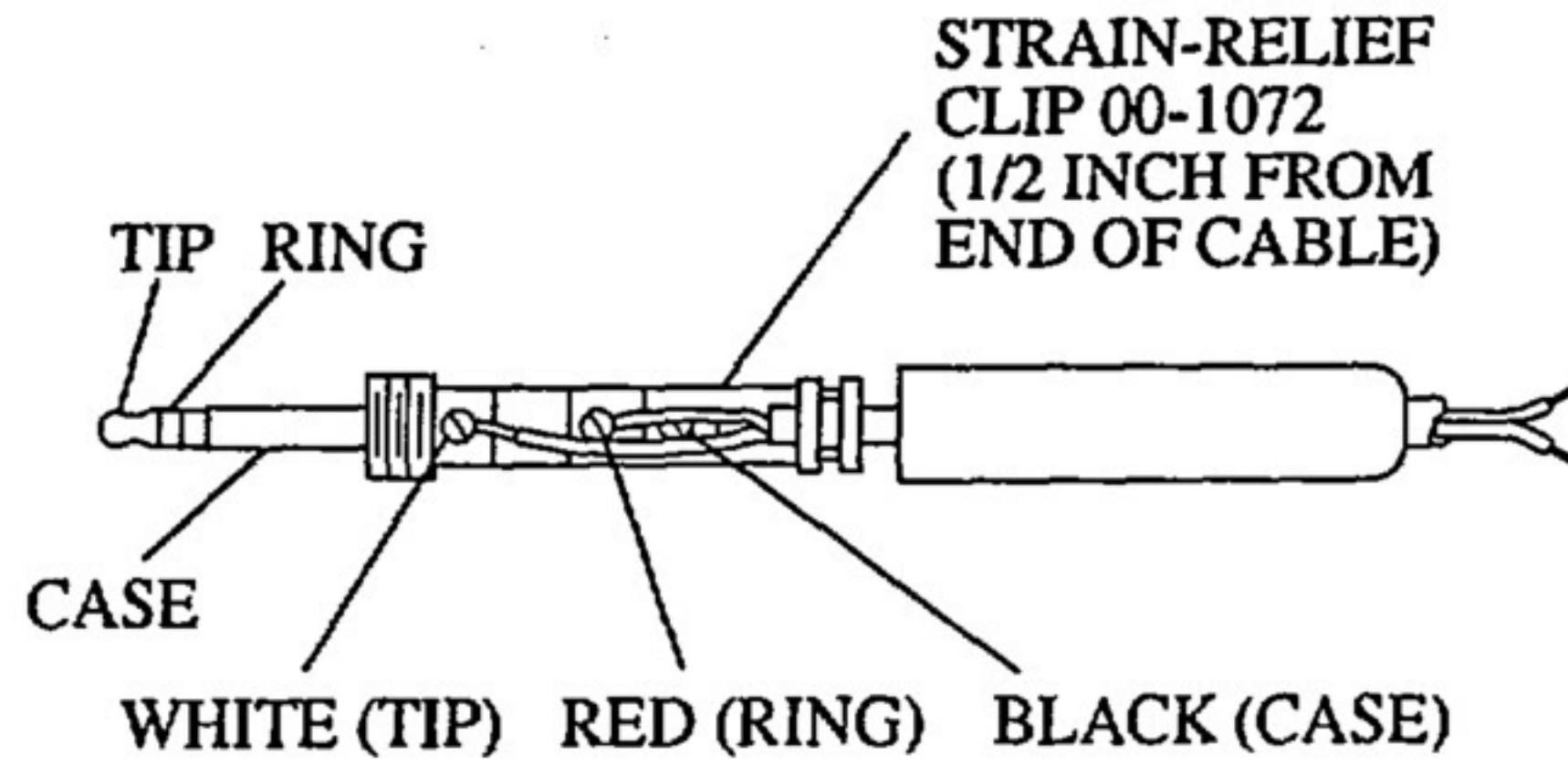
<u>Valve, Cable &amp; Plug Assembly Part Number</u>	<u>Cable Part Number</u>	<u>Opposite Cable End Attaches To</u>	<u>Overall Cable Dimensions</u>	
			<u>inches</u>	<u>cm</u>
232-275-1	232-237-1	Microphone	73-1/2 ±1/4	186.7 ±0.6
232-275-2	232-237-2	Microphone	74-1/2 ±1/4	189.2 ±0.6
232-275-3	232-237-3	Microphone	65-1/2±1/8	166.4 ±0.3
232-276	232-206	Microphone	80-3/8 ±1/4	204.2 ±0.6
232-430	232-480	Microphone	62-5/8 ±1/4	159.1 ±0.3
232-761	232-762	Microphone	72-3/8 ±1/2	183.8 ±1.3
232-774	Internal	Microphone	---	---
232-840-1	232-839	Microphone	85-3/4 ±1/4	217.8 ±0.6
232-826	Internal	Microphone	---	---
232-826-1	Internal	Microphone	---	---
232-1000-1*	00-4637	Plug 00-961	12 ±1	30.5 ±2.5
232-1000-2*	00-4637	Plug 00-961	17 ±1	43.2 ±2.5
232-1118	Internal	Microphone	---	---
232-1156	Internal	Microphone	---	---
232-1162	00-4335	Microphone	61 ±1/2	154.9 ±1.3
232-1170	00-4335	Microphone	81-1/2 ±1/8	207.0 ±0.3
232-1187	00-4637	Microphone	60 ±1/8	152.4 ±0.3
232-1196	Internal	Microphone	---	---
232-1207	00-4335	Microphone	61 ±1/8	154.9 ±0.3
232-1228	00-4637	Microphone	62-5/8 ±1/8	159.1 ±0.3
232-1240	Internal	Microphone	---	---
232-1243	00-4637	Microphone	30-1/8 ±1/8	76.5 ±0.3
232-1249	00-4637	Microphone	48-1/8 ±1/4	122.2 ±0.6
232-1264	00-4637	Microphone	60-1/8 ±1/8	152.7 ±0.3
232-1265	00-4637	Microphone	54-1/8 ±1/8	137.5 ±0.3

\* Cable & Plug Assembly

Microphone, Cable & Plug Replacement  
Figure 601 (Sheet 3)



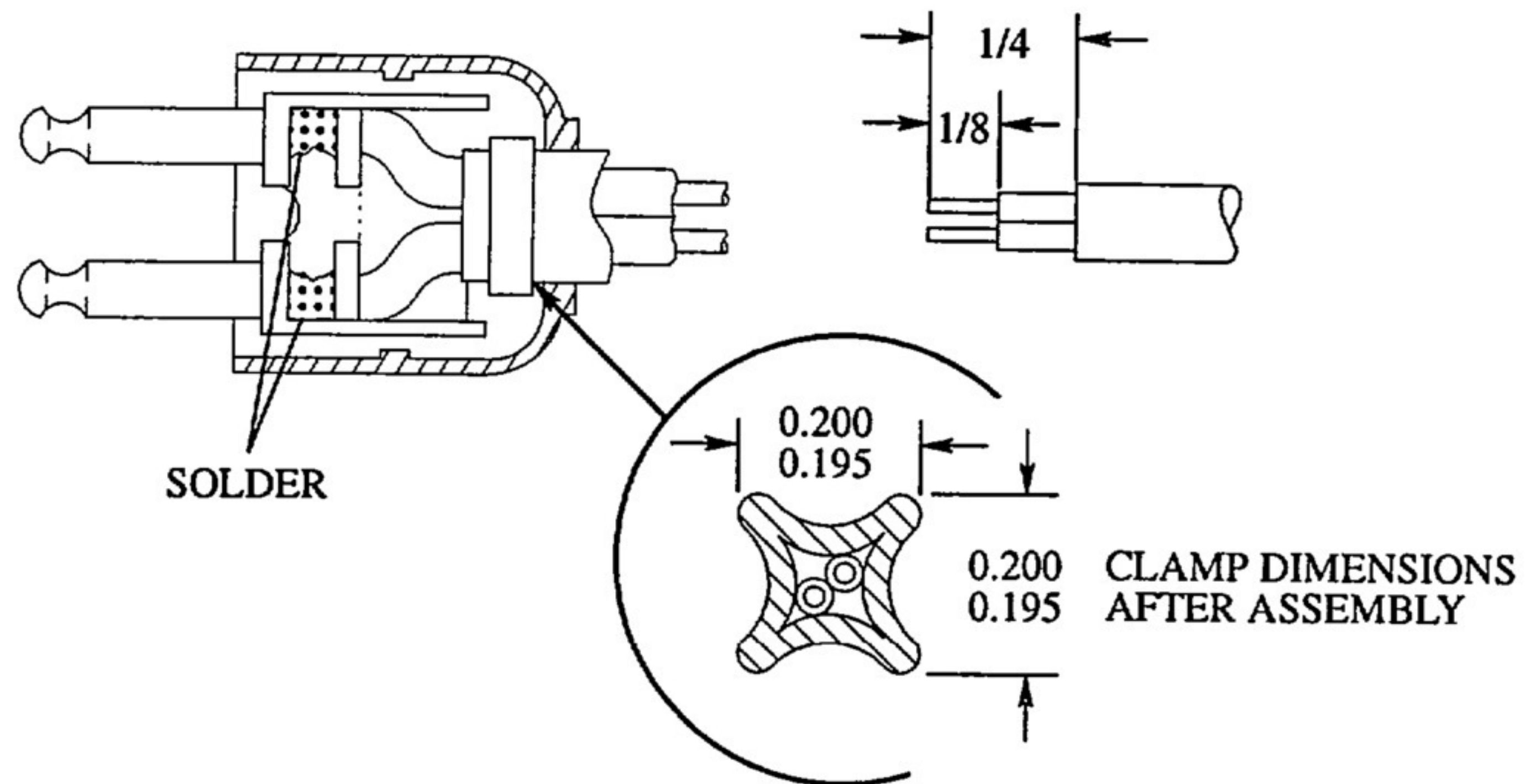
**PLUG 00-652  
TYPE PJ-068  
(WITH 3 CONDUCTOR CABLE)**



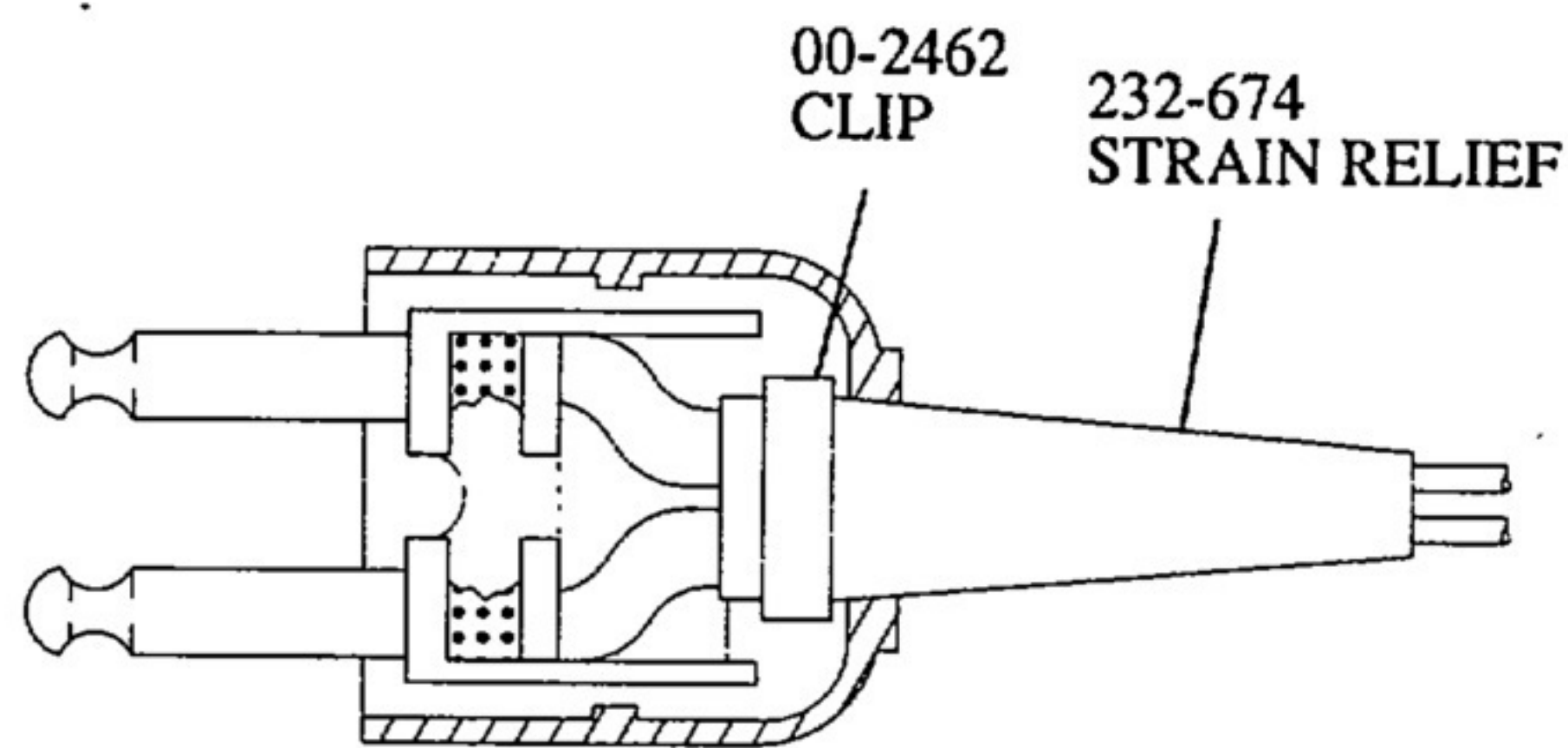
Valve, Cable & Plug Assembly Part Number	Cable Part Number	Opposite Cable End Attaches To	Overall Cable Dimensions	
			inches	cm
232-454	232-460	Plug	66-1/2 ± 1/8	168.9 ± 0.3
232-747	232-748	Plug	---	---

Microphone, Cable & Plug Replacement  
Figure 601 (Sheet 4)

**PLUG 00-850  
TYPE U-173/U**



WHEN PLUG 00-850 IS USED WITH SMALL DIAMETER CABLES,  
INSTALL 232-674 STRAIN RELIEF AND 00-2462 CLIP IN PLACE  
OF CLAMP

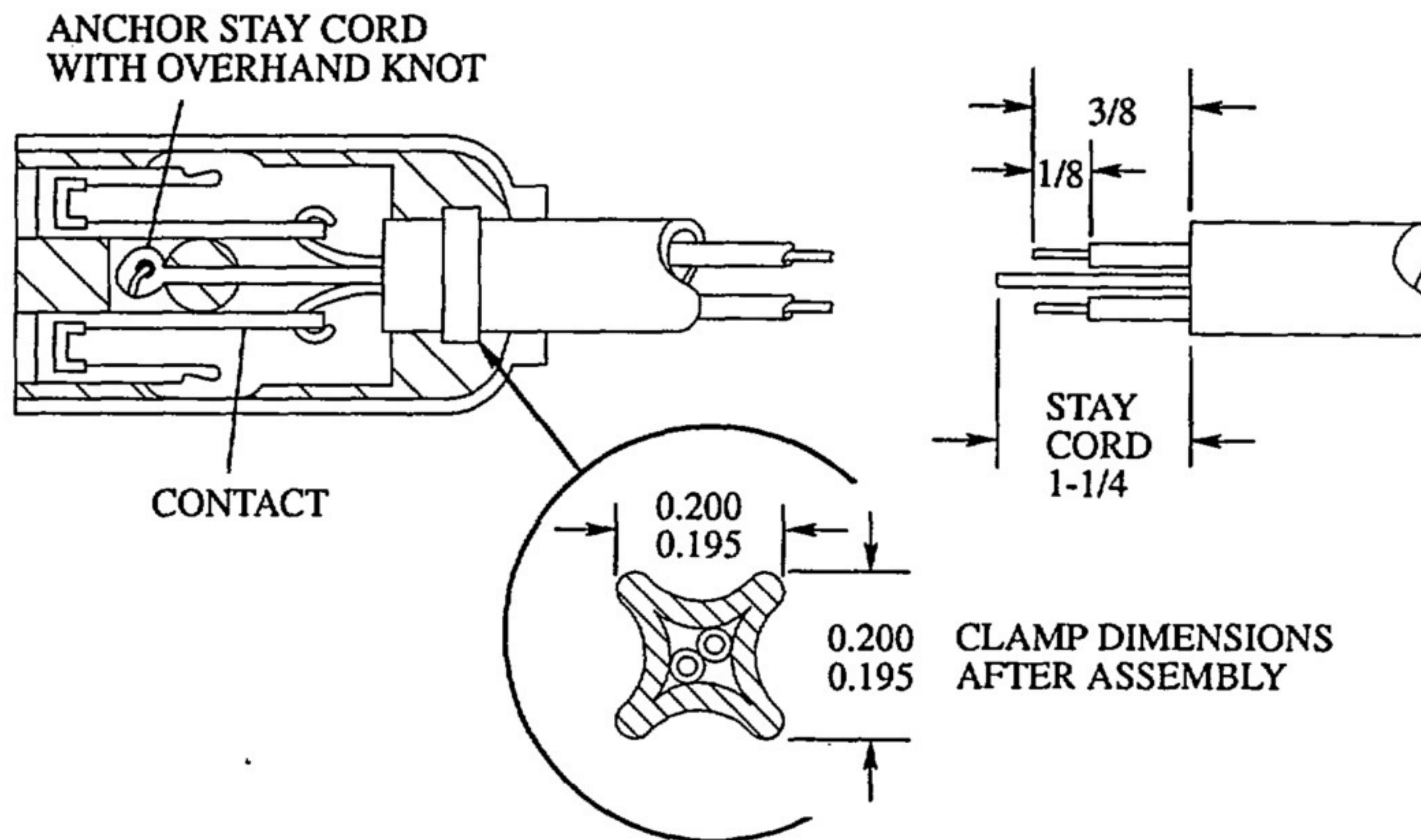


Valve, Cable & Plug Assembly Part Number	Cable Part Number	Opposite Cable End Attaches To	Overall Cable Dimensions inches	cm
232-452	00-4335	Microphone	14-1/2 ±1/16	36.8 ±0.2
232-459-2	00-4637	Microphone	6 ±1/8	15.2 ±0.3
232-1028	00-4637	Microphone	14-1/2 ±1/16	36.8 ±0.2
232-1213	00-4335	Microphone	26 ±1/16	66.0 ±0.2
232-1325	00-4637	Microphone	29-3/4 ±1/8	75.6 ±0.3
232-1330	00-4637	Microphone	31 ±1/8	78.7 ±0.3

Microphone, Cable & Plug Replacement  
Figure 601 (Sheet 5)



**PLUG 00-961  
TYPE U-172/U**

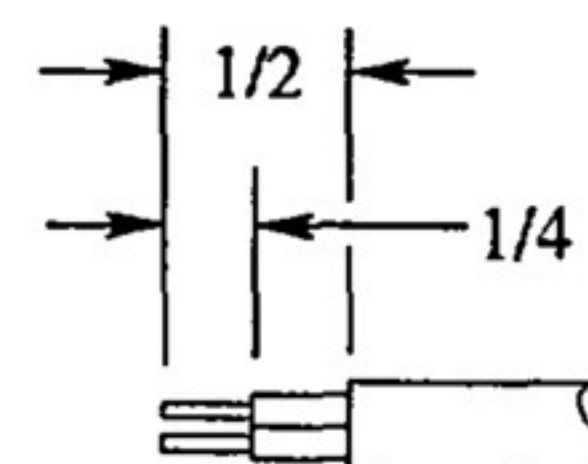
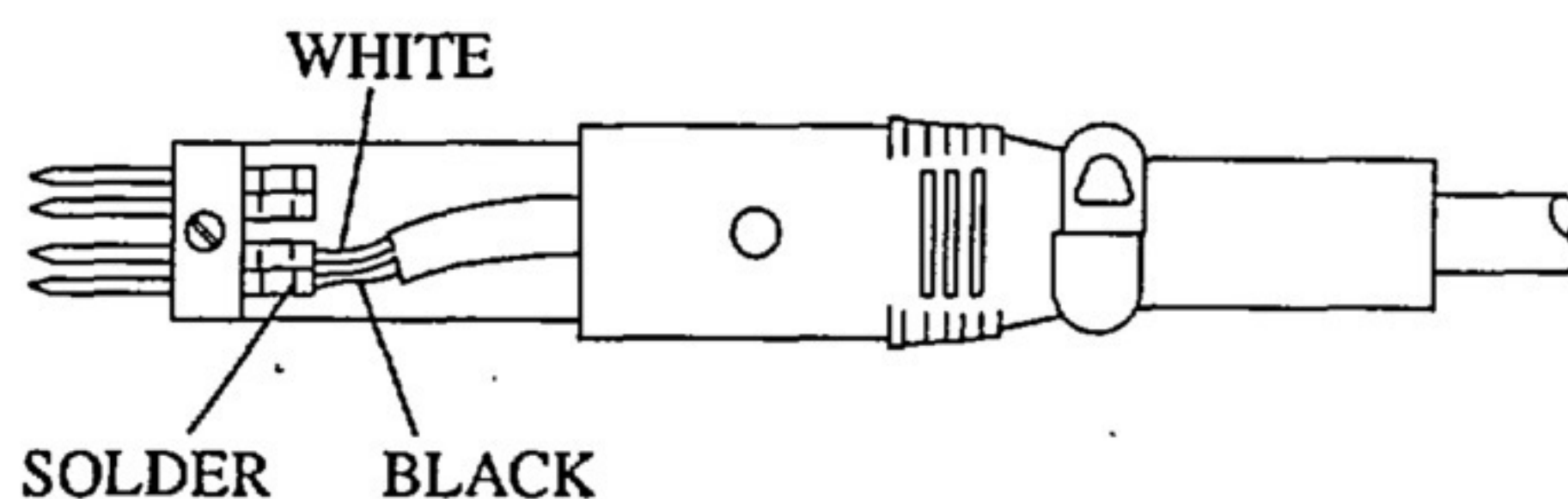
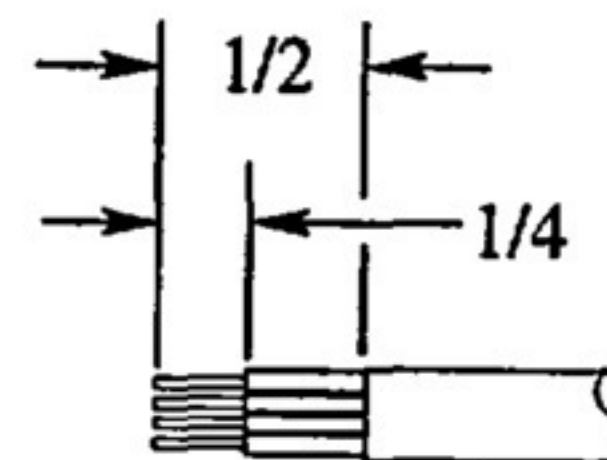
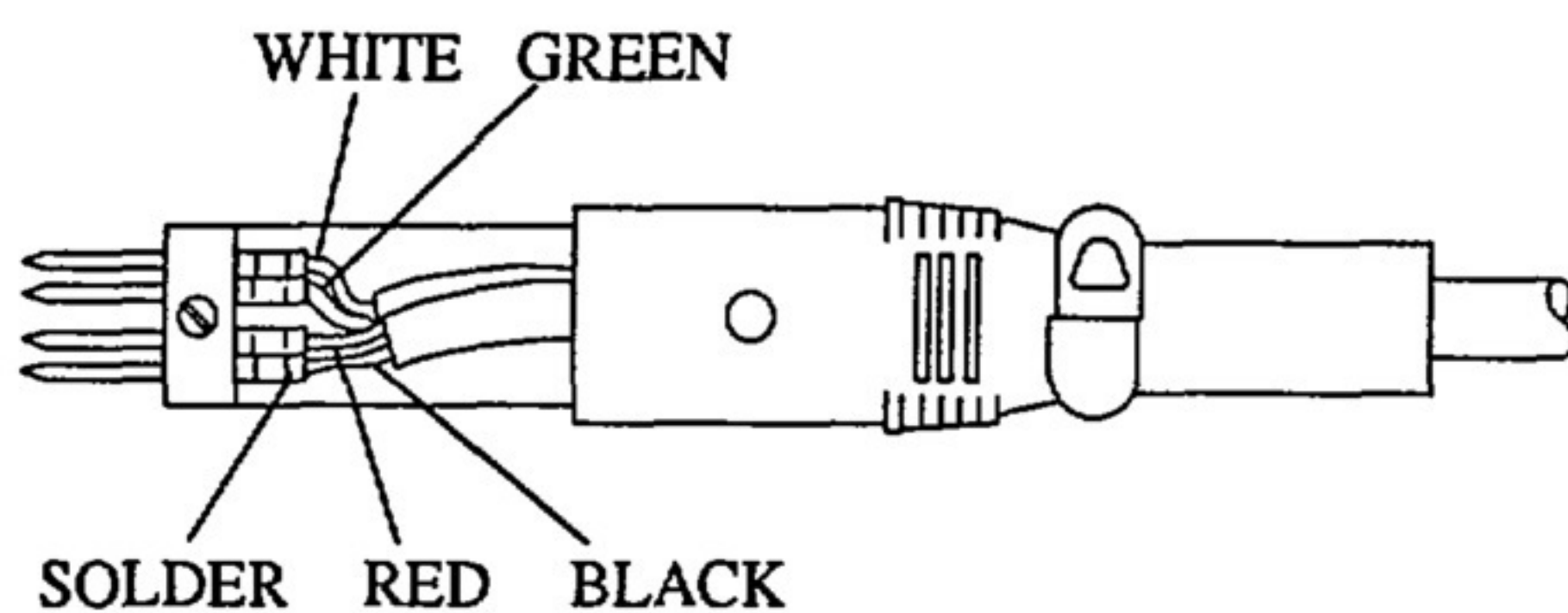


Valve, Cable & Plug Assembly Part Number	Cable Part Number	Opposite Cable End Attaches To	Overall Cable Dimensions	
			inches	cm
232-452	00-4335	Plug 00-652	14-1/2 ±1/16	36.8 ±0.2
232-1000-1*	00-4637	Plug 00-652	12 ±1	30.5 ±2.5
232-1000-2*	00-4637	Plug 00-652	17 ±1	43.2 ±2.5
232-1028	232-1034	Plug 00-642	60 ±1/2	152.6 ±1.3

\* Cable & Plug Assembly

Microphone, Cable & Plug Replacement  
Figure 601 (Sheet 6)

**PLUG 00-953  
(WITH 2 AND 4  
CONDUCTOR CABLES)**



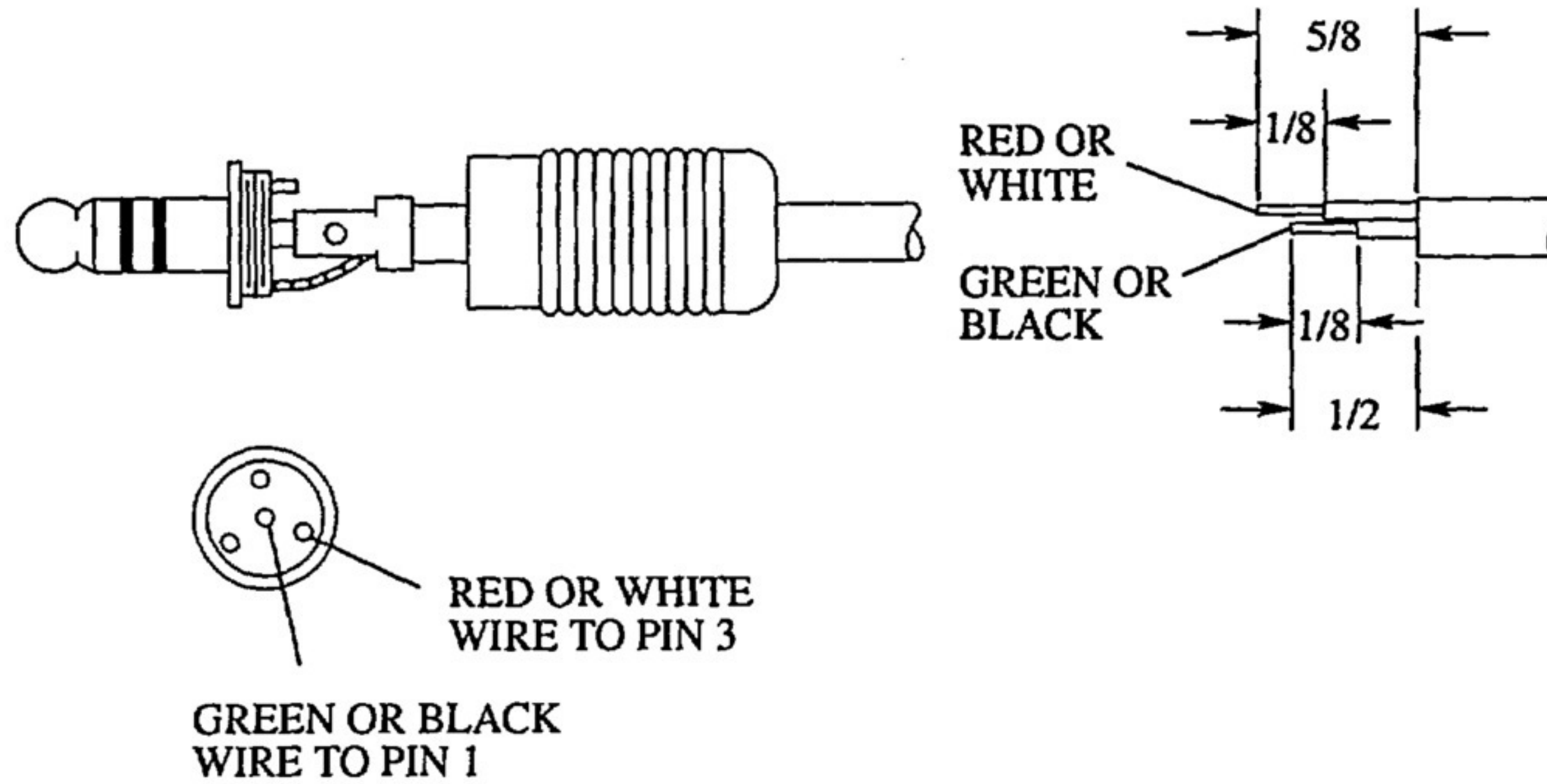
Valve, Cable & Plug Assembly Part Number	Cable Part Number	Number of Cable Wires	Opposite Cable End Attaches To	Overall Cable Dimensions	
				inches	cm
232-414-1*	232-415	4	P-T-T Switch	75 ±1/8	190.5 ±0.3
232-813*	232-814	4	P-T-T Switch	65 ±1/8	165.1 ±0.3

\* Cable & Plug Assembly

Microphone, Cable & Plug Replacement  
Figure 601 (Sheet 7)



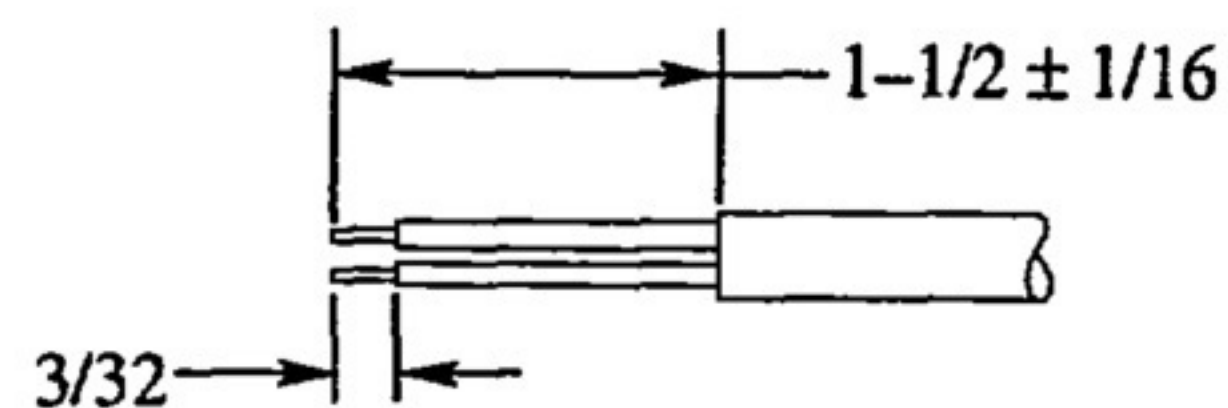
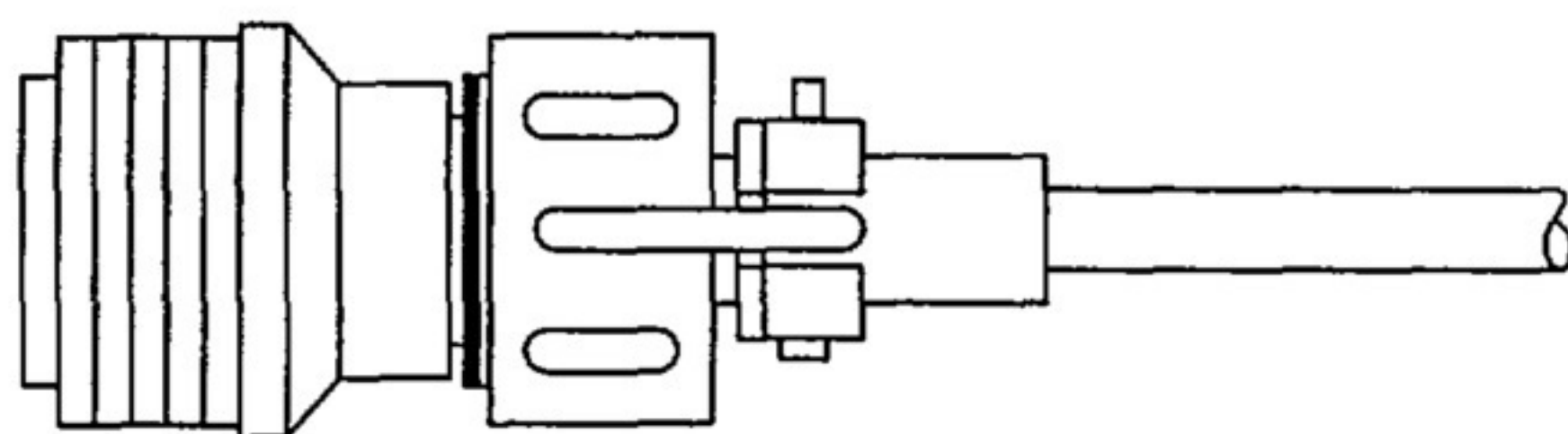
**PLUG 00-1686  
TYPE U-174/U**



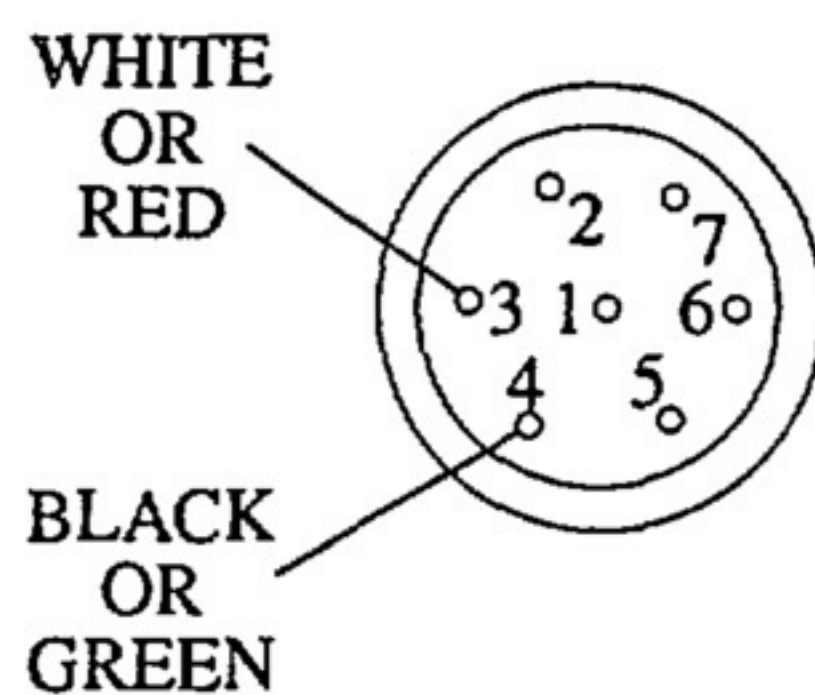
Valve, Cable & Plug Assembly Part Number	Cable Part Number	Opposite Cable End Attaches To	Overall Cable Dimensions	
			inches	cm
232-1007	232-1008	Microphone	60-1/4 ±1/8	153.0 ±0.3
232-1179	232-1181	Microphone	30-1/2 ±1/2	77.5 ±1.3

Microphone, Cable & Plug Replacement  
Figure 601 (Sheet 8)

**PLUG 00-4390**



**WIRE CONNECTIONS TO  
2-CONDUCTOR CABLES**



<u>Valve, Cable &amp; Plug Assembly Part Number</u>	<u>Cable Part Number</u>	<u>Number of Cable Wires</u>	<u>Opposite Cable End Attaches To</u>	<u>Overall Cable Dimensions</u>	
				<u>inches</u>	<u>cm</u>
232-1198	Internal	2	Microphone	---	---

Microphone, Cable & Plug Replacement  
Figure 601 (Sheet 9)



**ASSEMBLY (INCLUDING STORAGE)**

1. **General**

- A. This section contains mask reassembly and storage instructions. Skip unnecessary steps if the mask is already partially assembled.
- B. The masks are part of the aircraft breathing oxygen supply system. The cleanliness standards given below apply.

**WARNING:** DO NOT USE OIL OR OTHER PETROLEUM BASE LUBRICANTS ON OXYGEN EQUIPMENT. THE LUBRICANTS ARE A FIRE HAZARD IN OXYGEN-RICH ENVIRONMENTS.

- (1) Work areas to assemble, check, and test the masks must be clean and free of oils and lubricants.
- (2) All equipment, tools, and fixtures used to assemble, check, and test the masks must be thoroughly cleaned to remove oils before use.
- (3) All mask subassemblies and detail parts must be cleaned before assembly.
- C. Recommended tools and materials are given in Table 701.

**NOTE:** Equivalent items can be used.

Assembly Tools and Materials  
Table 701

Nomenclature	Part or Specification Number	Source (CAGE)*
Adhesive	00-2889 (RTV 738)	Scott Aviation (53655)
Elastrator, Hose Guide	00-6297	Scott Aviation (53655)
Extension Tool, Torque Wrench	358-186	Scott Aviation (53655)
Holding Fixture	358-184	Scott Aviation (53655)
Hot Air Gun	Model HG-301A	Master Appliance Corp. (83284)
Pliers, Hose Clamp	450-134A	Scott Aviation (53655)
Safety Wire	MS20995C32	Commercially Available
Sealant, Loctite	00-7123	Scott Aviation (53655)
Solder, Composition Sn63WRMAP2	Federal Specification QQ-S-571	Commercially Available
Torque Wrench, 0 to 150 in-lbs (20 N·m)	---	Commercially Available

\* Refer to the IPL, paragraph 2, for the address.

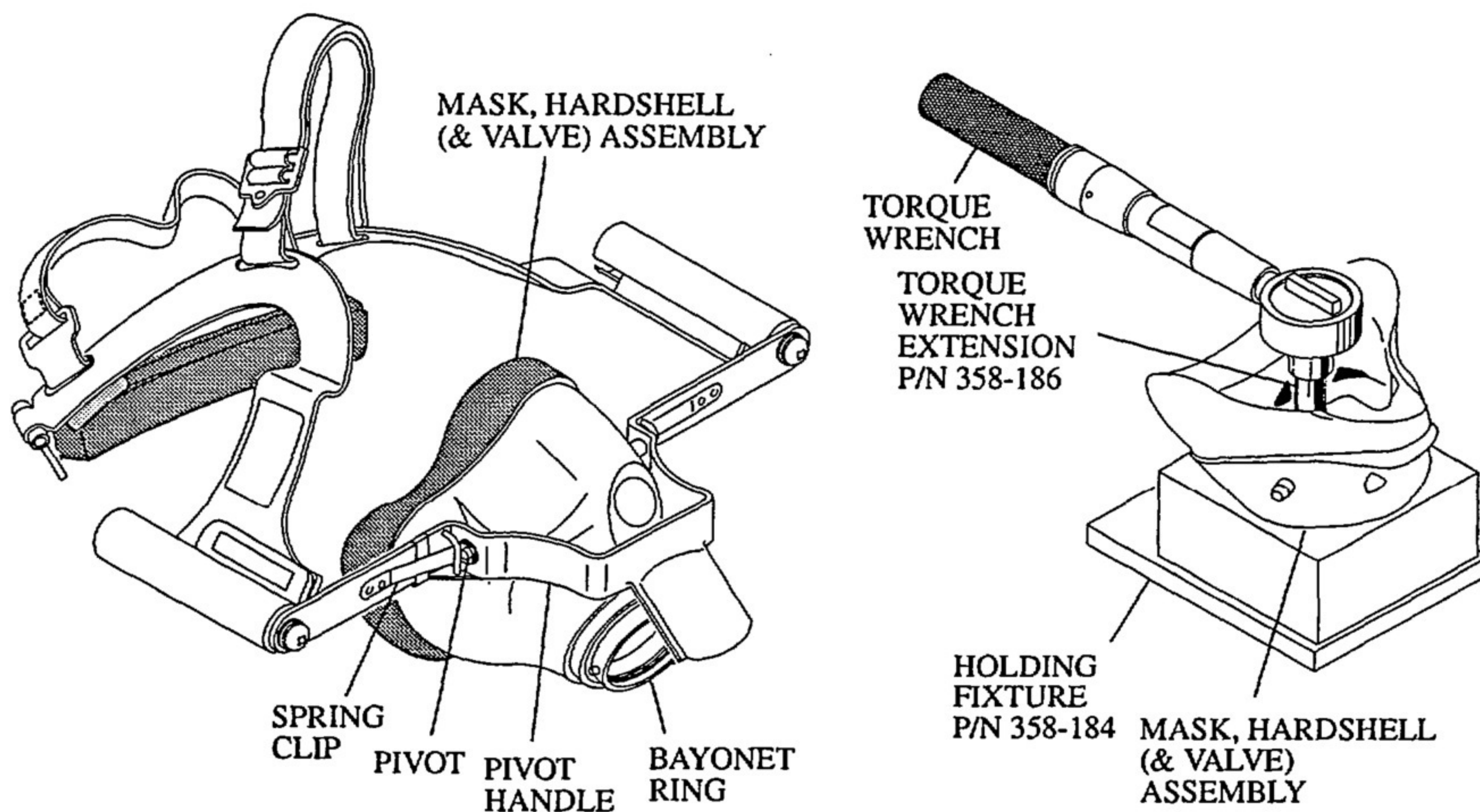


## 2. Mask & Hardshell & Valve Assemblies

**NOTE:** The item numbers in parentheses refer to IPL Figure 5.

### A. Facepiece & Hardshell Assemblies

- (1) Install a new pivot (75), if needed, with one screw (80) and one flat washer (85).
- (2) Hold the compression sleeve (45) between the bayonet ring (40) and locating shield (50). Align the slot in the bayonet ring with the corresponding tab on the inside of the locating shield.
- (3) Place the ring assembly, locating shield (50) down, in the hardshell assembly (70 thru 70C). Align the slot in the bayonet ring (40) and the tab on the shield with the corresponding slots in the hardshell. Tighten the parts finger-tight.
- (4) Clamp the holding fixture in a vise. Refer to Figure 701.
- (5) With the bayonet ring (40) facing down, place the hardshell assembly (70 thru 70C) in the holding fixture. The pins on the bayonet ring must lock in the detents in the fixture.
- (6) Place the facepiece assembly (20 thru 20C) in the hardshell assembly (70 thru 70C).
- (7) Assemble the washer (35) and gasket (30 or 30A) on the ring retaining nut (25 or 25A).



Installation of Retaining Nut and Mask, Hardshell (& Valve) Assembly  
Figure 701



- (8) Install the retaining nut assembly through the facepiece assembly (20 thru 20C) and into the bayonet ring (40). Tighten the parts finger-tight.
- (9) Lock the pins of the torque wrench extension tool (Figure 701) in the holes in the ring retaining nut (25 or 25A).
- (10) Use a torque wrench (Table 701) to torque the ring retaining nut (25 or 25A) in a clockwise direction to 65 – 75 in-lbs (7.7 – 9.3 N·m).
- (11) Clip the mask, hardshell (& valve) assembly (10 thru 10C) in the suspension assembly (90), one side at a time, as follows:
  - (a) Push the spring clip inward against the yoke.
  - (b) Insert the mask pivot through the hole in the yoke, align the slot in the pivot with the spring clip, and release the spring clip.
- (12) Connect the valve, hose & communications assembly to the bayonet ring (40).
- (13) Refer to Testing and Fault Isolation to test all mask breathing functions.

#### B. Anti-Smoke Vent Valves

- (1) Install the valve guard (60, IPL Figure 5), if applicable, in the hardshell assembly (70A or 70C).
- (2) Insert the valve, guide & stiffener assembly (65) or valve body (65A) between the hardshell assembly (70A or 70C) and the facepiece assembly. Refer to IPL Figure 5.
- (3) Bond the tab on the valve, guide & stiffener assembly (65) or valve body (65A) to the inside surface of the hardshell with RTV 738 (Table 701).
- (4) Install the rod assembly (55 or 55A) in the valve body, as follows:
  - (a) Extend the rod.
  - (b) Insert the rod assembly (55 or 55A) into the valve, and thread the smaller diameter inside knob into the valve body.
- (5) Refer to Testing and Fault Isolation to test all mask breathing and vent functions.

### 3. Suspension Assembly

**NOTE:** Lightly coat the screw threads with Loctite sealant (Table 701) before assembly. Allow the sealant to cure to 4 to 12 hours at room temperature before the mask is used.

- A. Install the screws (135 and 155, IPL Figure 5) and retention assemblies (120 and 140) on the suspension bracket assembly (75).
- B. Clean the threads on the truss head screws (125 and 145) and the threads inside the retention assemblies (120 and 140). Lightly coat the threads with adhesive (Table 701).
- C. Slide the left retention cover over the left retention assembly (120). Loosely install a screw (125) through a flat washer (130), the pivot handle assembly (160), and into the retention assembly.



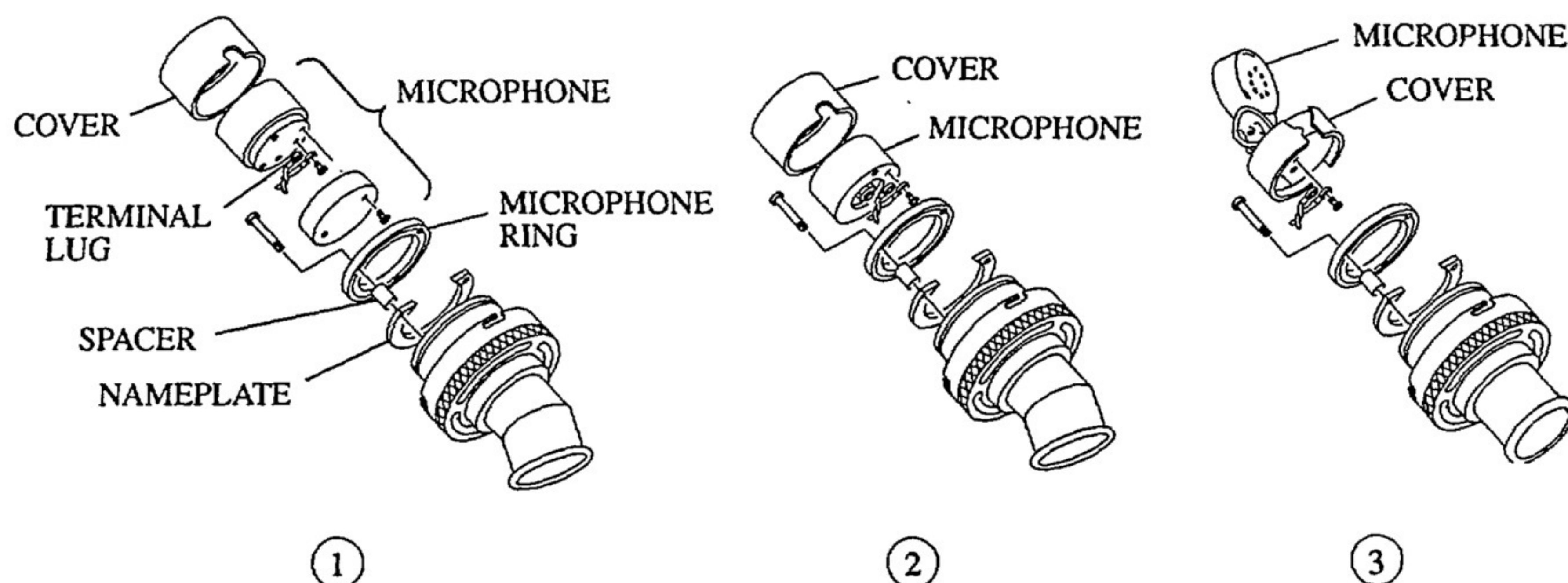
- D. Extend the retention assembly (120) to put the inner spring under tension, and tighten the screw (125). The inner slide in the retention assembly can be held if necessary to keep it from turning.
- E. Repeat steps C and D, above, to install the right retention assembly (140) and cover.
- F. Loop the top strap assembly (115) through the upper slots in the suspension bracket assembly (165). Buckle the strap.
- G. Crimp the retainers on the rear strap assembly (110) through the rear slots in the suspension bracket assembly.
- H. Place the neck pad (105) in the cover (100). Loop the cover flap around the suspension bracket assembly (165) flange, and snap the cover tabs through the holes.
- I. Open and close the suspension assembly and check for squeaking, galling or binding.
- J. Verify that the labels and nameplates are installed and legible.

#### 4. Valve, Hose & Communications Assemblies

##### A. Microphones

**NOTE:** Refer to IPL Figures 6 through 9 for the item numbers.

(1) Styles 1, 2 and 3

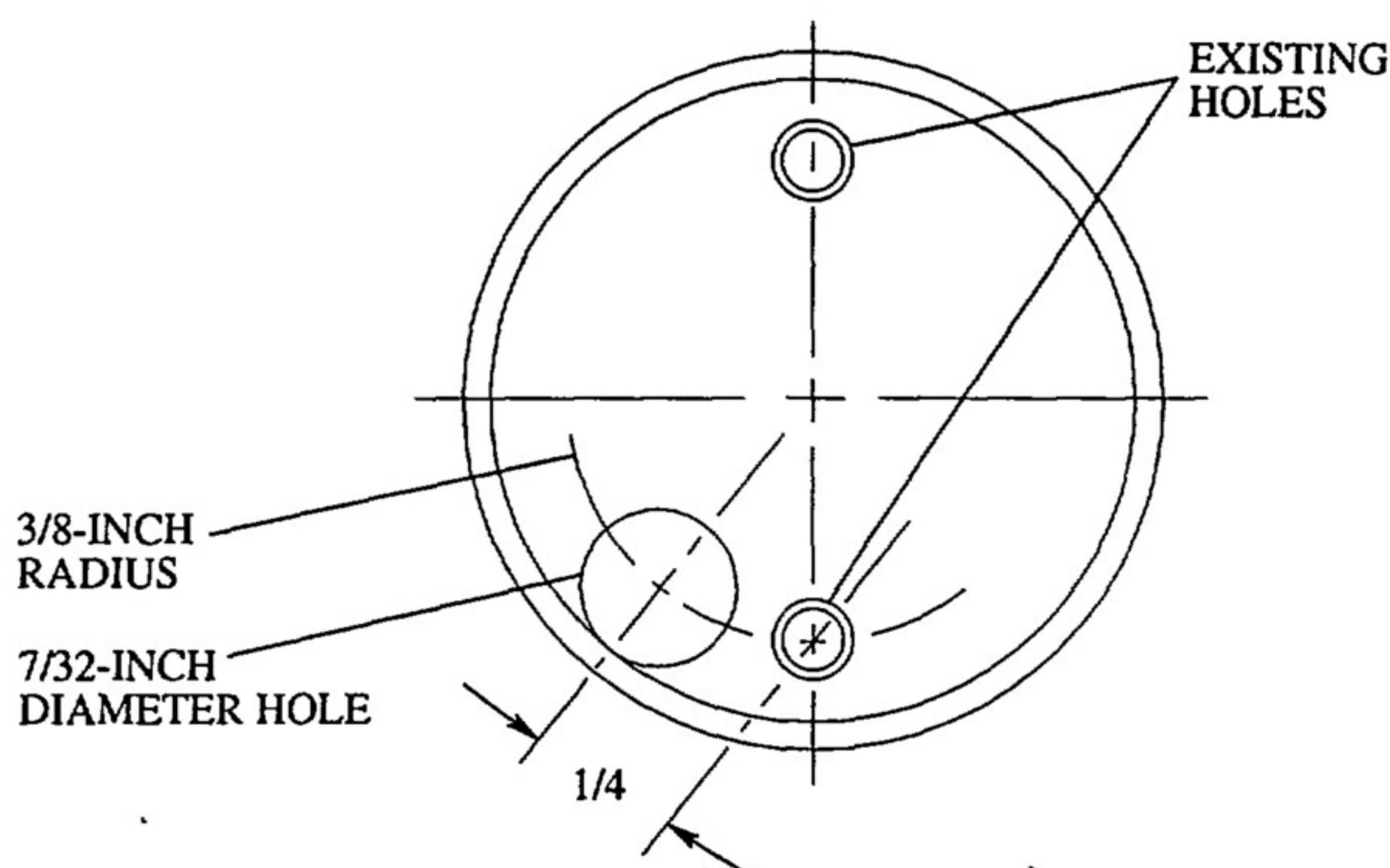


- (a) Install the breathing valve, shrink tubing, and terminals lugs (para. 4.C, below).
- (b) Install one screw through the microphone housing ring, spacer, and nameplate, and into the breathing valve. Tighten finger-tight only.
- (c) Install the two remaining screws and spacers. Alternately tighten all three screws.



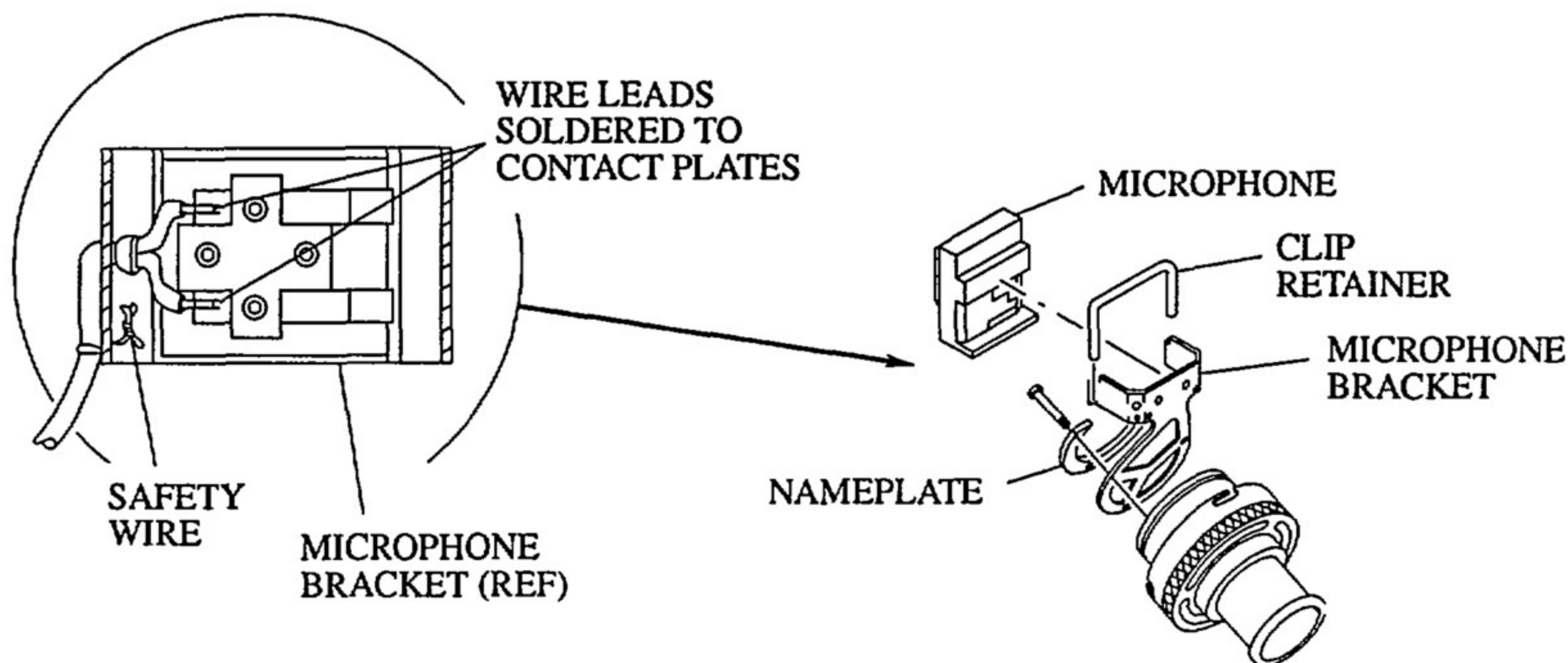
(d) Connect the wire leads to the type 1 microphone (P/N 232-270), as follows:

- 1 Remove two screws (supplied with the microphone) and the back cover.
- 2 Drill a 7/32-inch diameter hole in the cover. Deburr the hole.



- 3 Route the wire leads through the hole. Connect the leads to the microphone with the screws supplied with the microphone.
  - 4 Reinstall the back cover and the two screws.
- (e) Connect the wire leads to the type 2 or 3 microphone with the screws provided with the microphone.
- (f) Place the microphone in the housing ring. Turn the microphone to twist the wires, if necessary, to keep the wires from sagging into the opening of the breathing valve.
- (g) Snap the microphone cover in place over the microphone.
- (h) Connect the valve, hose & communications assembly to the mask bayonet ring.
- (i) Refer to Testing and Fault Isolation to test all mask communications functions.

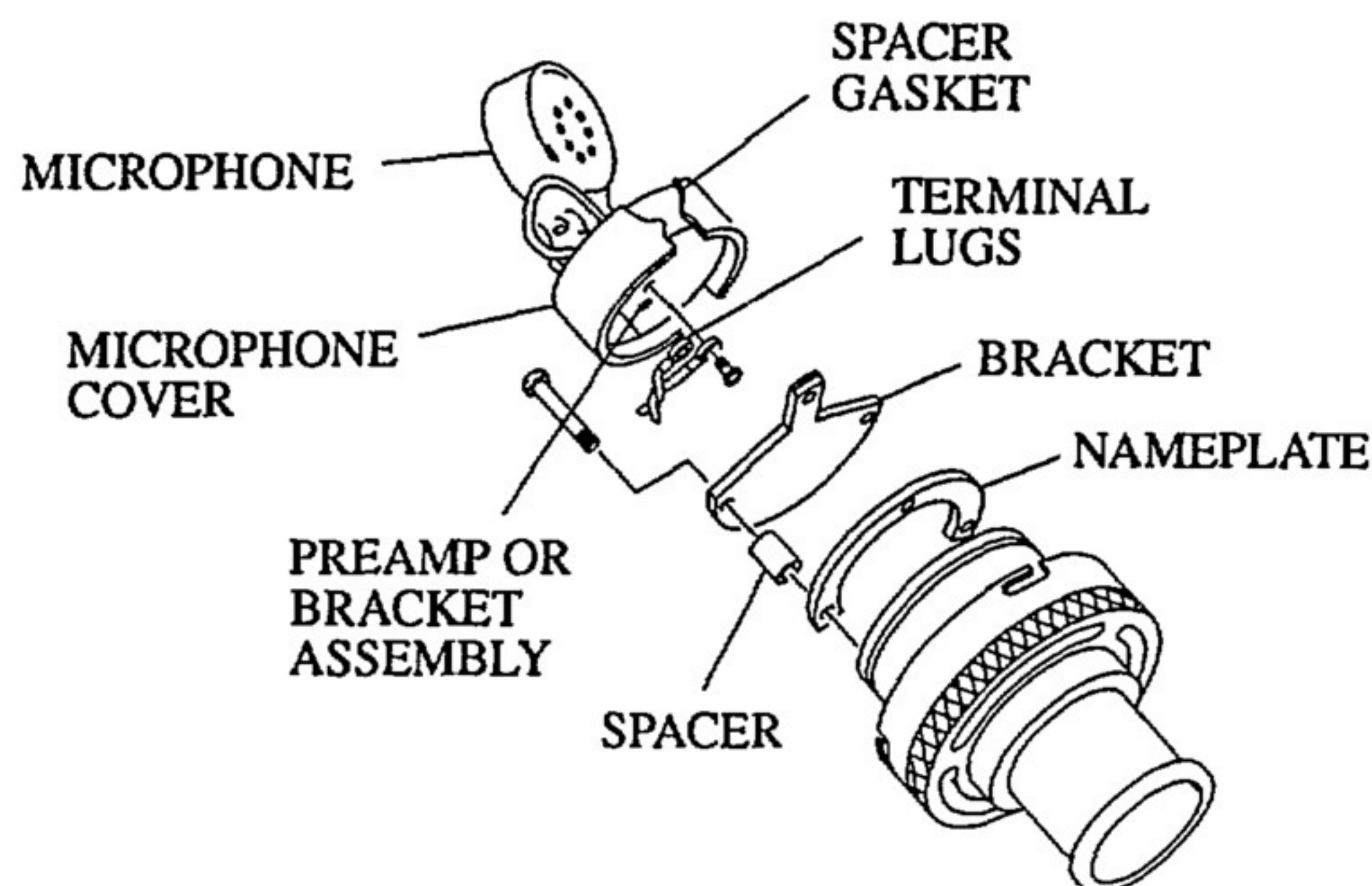
(2) Style 4



- (a) Install the breathing valve and shrink tubing (para. 4.C, below).
- (b) Install one screw through the nameplate and microphone bracket and into the breathing valve. Tighten finger-tight only.
- (c) Install the two remaining screws. Alternately tighten all three screws.
- (d) Solder the wire leads to the microphone bracket contact plates, as shown in the illustration.
- (e) Loop safety wire (Table 701) around the cable and through the hole in the microphone bracket, as shown in Figure 701. Pull the wire tight enough to prevent movement of the cable in the wire loop, and twist the ends securely. Cut excess safety wire to leave the twisted ends about 1/4-inch in length.
- (f) Install the microphone in the bracket with the clip retainer.
- (g) Connect the valve, hose & communications assembly to the mask bayonet ring.
- (h) Refer to Testing and Fault Isolation to test all mask communications functions.

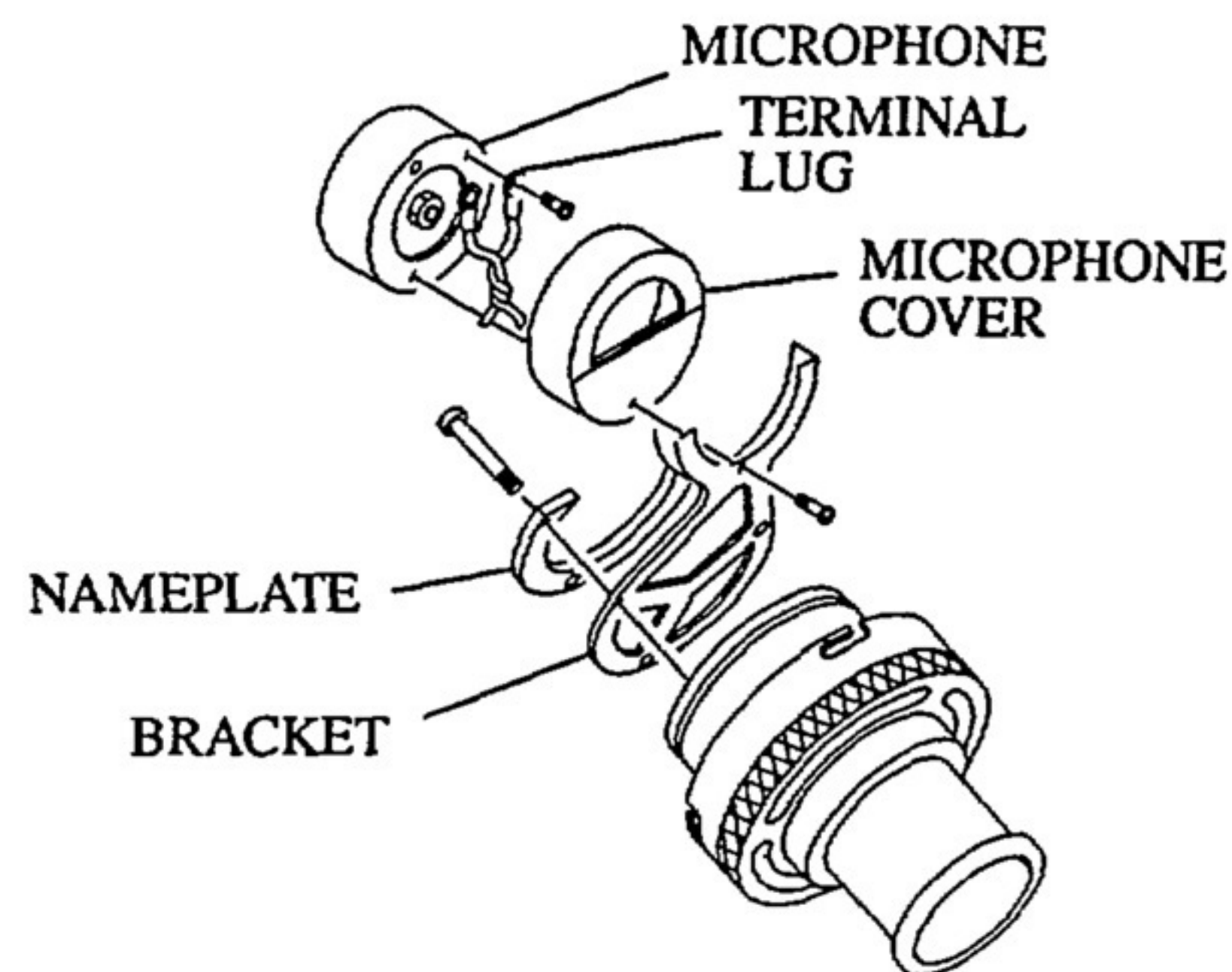


## (3) Style 5



- (a) Install the breathing valve, shrink tubing, and terminal lugs (para. 4.C, below).
- (b) Install one screw through the bracket, spacer, and nameplate and into the breathing valve. Tighten finger-tight only.
- (c) Install the two remaining screws and spacers. Alternately tighten all three screws.
- (d) Connect the wire leads to the preamp assembly or bracket assembly with screws supplied with the microphone.
- (e) Assemble the microphone, spacer gasket, cover, and preamp assembly or bracket assembly, and snap the microphone cover on the edges of the bracket.
- (f) Connect the valve, hose & communications assembly to the bayonet ring.
- (g) Refer to Testing and Fault Isolation to test all mask communications functions.

## (4) Style 6

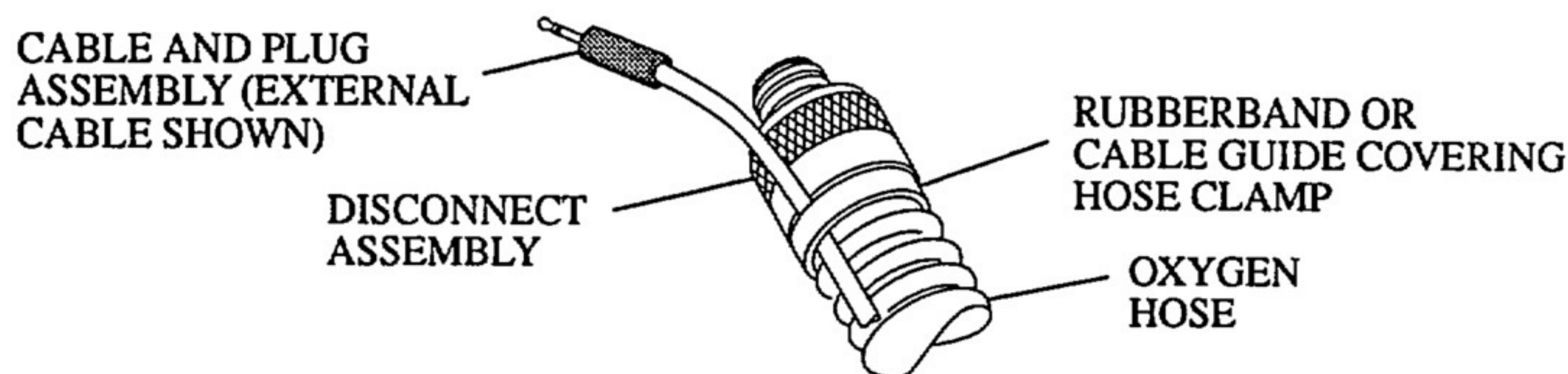


- (a) Install the breathing valve, shrink tubing, and terminal lugs (para. 4.C, below).
- (b) Install one screw through the nameplate and bracket and into the breathing valve. Tighten fingertight only.
- (c) Install the two remaining screws. Alternately tighten all three screws.
- (d) Route the wire leads through the back of the microphone cover. Connect the wire leads with the screws supplied with the microphone.
- (e) Install the microphone in the cover, and install the cover in the bracket.
- (f) Connect the valve, hose & communications assembly to the bayonet ring.
- (g) Refer to Testing and Fault Isolation to test all mask communications functions.



B. Disconnect Assemblies

**NOTE:** Refer to IPL Figures 6 through 9 for item numbers.



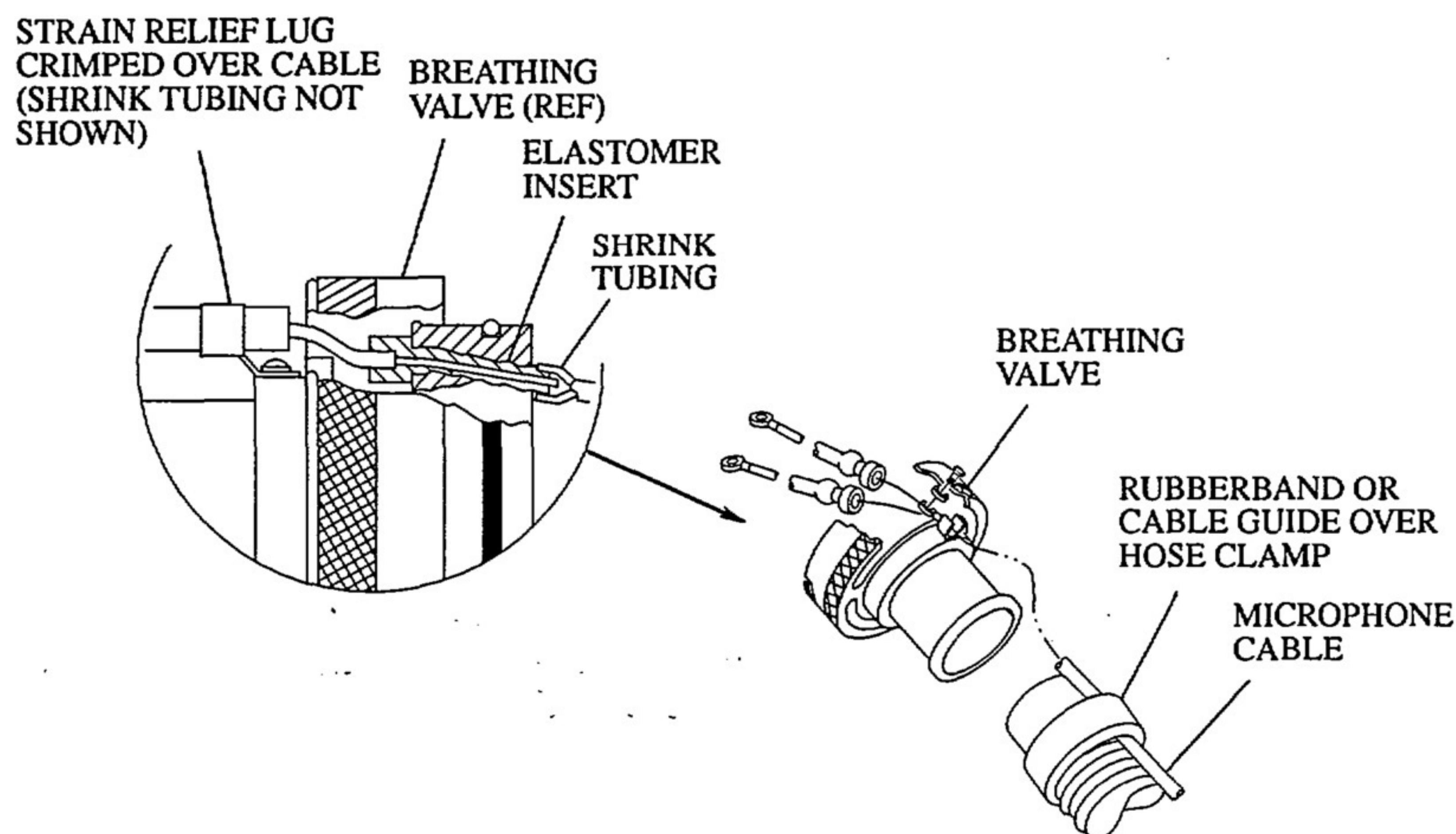
- (1) Slide the rubberband or cable guide and hose clamp over the end of the oxygen hose.

**NOTE:** The elastrator (Table 701) is available from Scott Aviation to aid installation of the cable guides.

- (2) Push the disconnect assembly into the oxygen hose.
- (3) Use the hose clamp pliers (Figure 702) to tighten the hose clamp.
- (4) Slide the rubberband or cable guide over the hose clamp.
- (5) Refer to Testing and Fault Isolation to test all mask breathing functions.

### C. Breathing Valves

**NOTE:** Refer to IPL Figures 6 through 9 for item numbers.



- (1) Cut the microphone cable to the correct length. Install the microphone plugs (refer to Repair).
- (2) Slide the rubberband or cable guide and hose clamp over the end of the oxygen hose.

**NOTE:** The elastrator (Table 701) is available from Scott Aviation to aid installation of the cable guides.

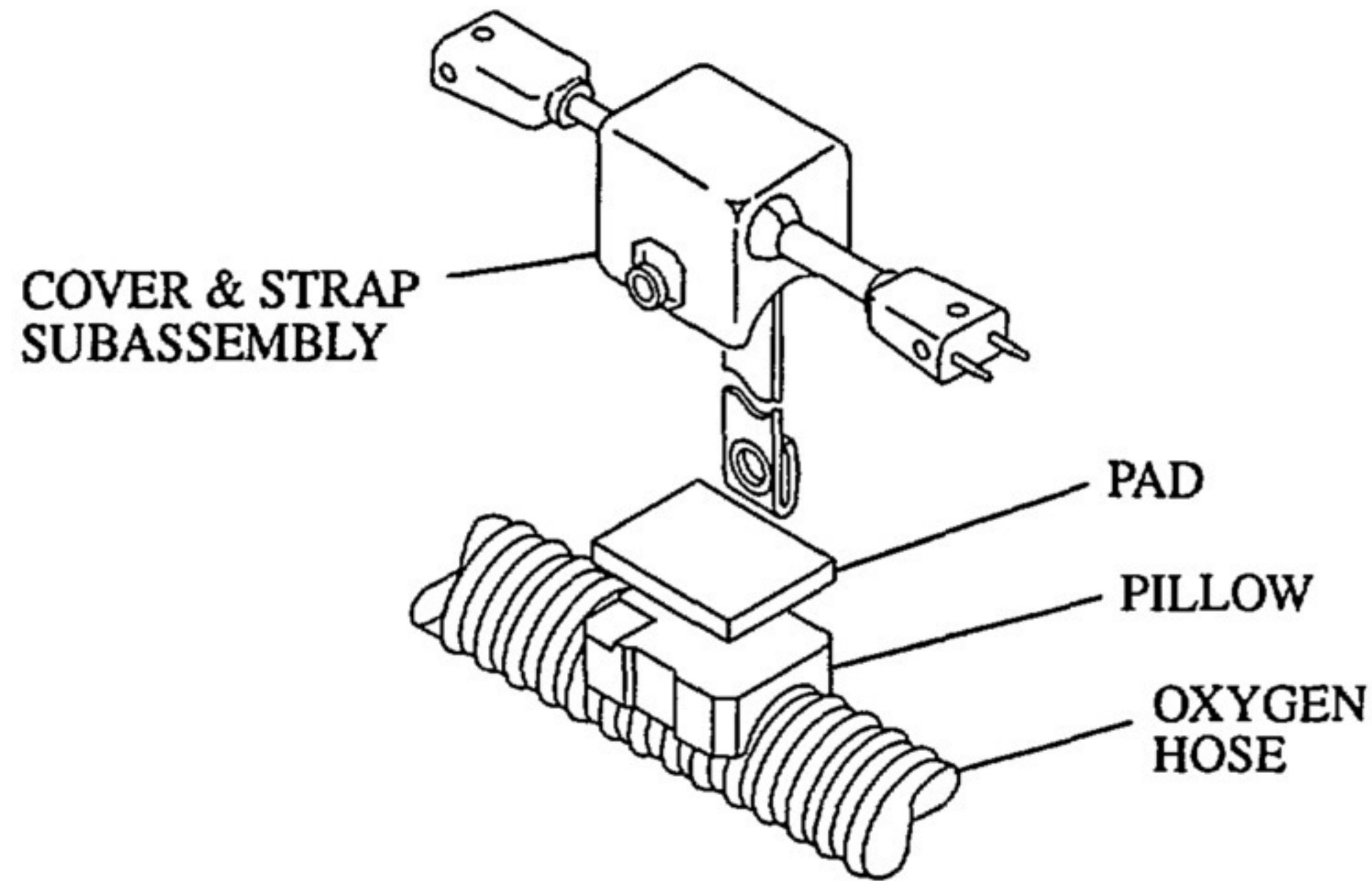
- (3) Push the breathing valve into the oxygen hose.
- (4) Use the hose clamp pliers (Table 701) to tighten the hose clamp.
- (5) Cut and remove 3 inches (7.6 cm) of the outer microphone cable jacket. Leave all the inner insulation.



- (6) Cut a 1 inch (2.5 cm) length of 0.187 ID shrink sleeving. Slide the sleeving over the uncut portion of the cable jacket. The sleeving will be installed later to cover the strain relief lug.
- (7) Feed the individual wire leads into the bulbous end of the elastomer inserts.
- (8) Push the elastomer inserts through the cable hole in the breathing valve. Pull the inserts from the microphone side until the bulbous ends seat in the valve body.
- (9) Trim the elastomer inserts at the notched area.
- (10) Pull the remaining microphone wire through the elastomer insert.
- (11) Cut the microphone wire leads between 1 to 2 inches (3 to 5 cm) from the valve. Strip and tin the wires to approximately 1/8 inch (0.3 cm).
- (12) Install the terminal lugs on the wire leads.
- (13) Use a hot air gun (Table 701) to shrink the 0.120 ID shrink sleeving over the wires, inserts, and the lower sections of the terminal lugs.
- (14) Attach a strain relief lug to the breathing valve with one screw and washer.
- (15) Position the cable in the strain relief lug. Crimp the lug over the cable.
- (16) Slide the shrink sleeving installed in step (6), above, over the crimped part of the strain relief lugs. Shrink the sleeve in place with the hot air gun.
- (17) Install the microphone.

#### D. Pre-Amplifier Assemblies

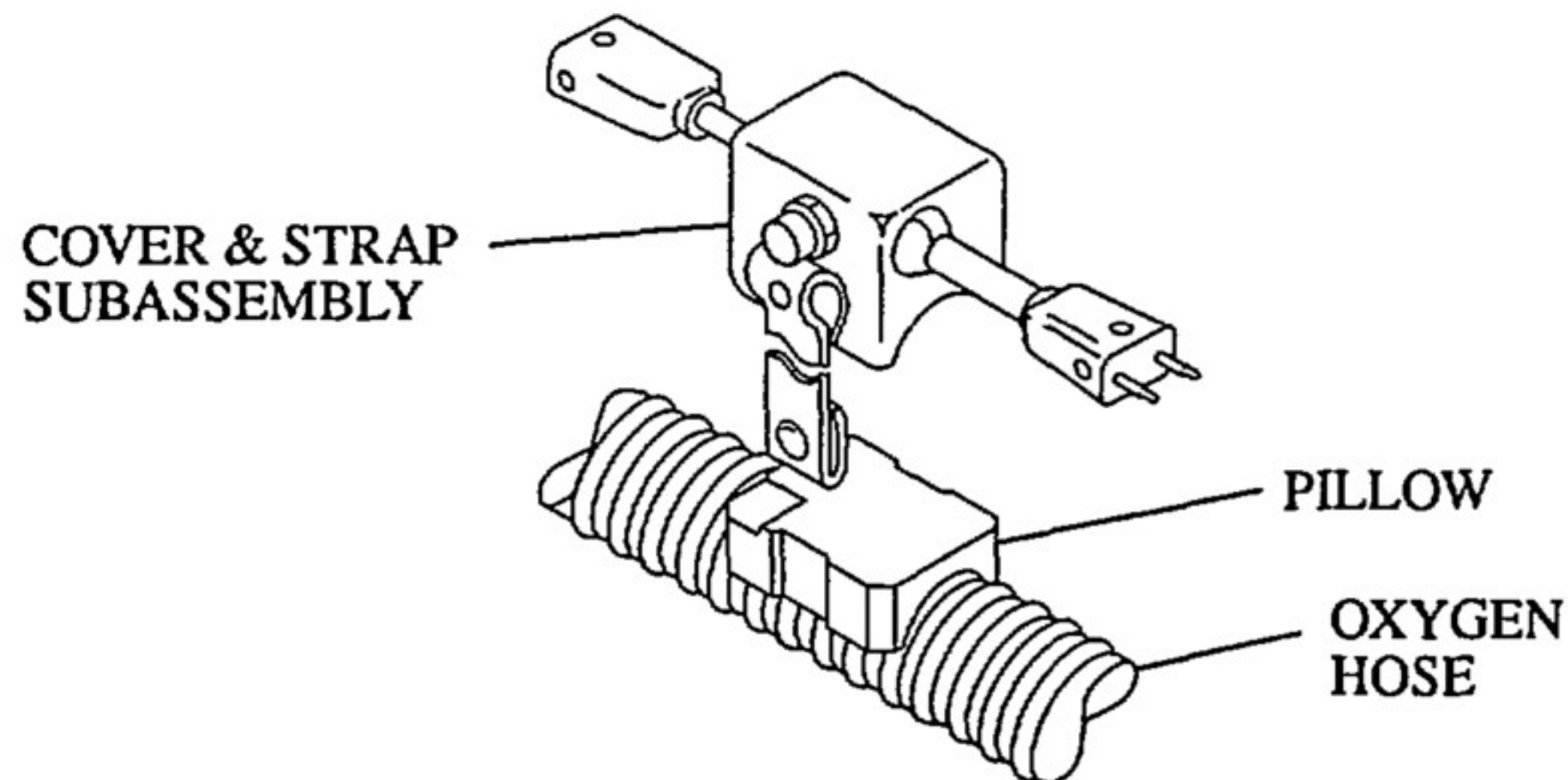
**NOTE:** Refer to IPL Figures 6 through 9 for item numbers.



- (1) Hold the cover & strap assembly, pad, and pillow on the oxygen hose, as shown. Attach the strap.
- (2) Connect the pre-amp plugs to the mating plugs.
- (3) Refer to Testing and Fault Isolation to test all mask communications functions.

#### E. Press-To-Talk Switch Assemblies

**NOTE:** Refer to IPL Figures 6 through 9 for item numbers.



- (1) Hold the cover & strap assembly and pillow on the oxygen hose, as shown. Attach the snap.
- (2) Connect the switch assembly plugs to the mating plugs.
- (3) Refer to Testing and Fault Isolation to test all mask communications functions.



## 5. Storage

### A. On-Aircraft

**NOTE:** The masks can be donned quickly with one hand when stowed in the quick-release holding strap. Alternate stowage methods must be equally as convenient for emergency use. The holding strap, dust cover, and goggles are optional accessories available from Scott Aviation. The items are sold and shipped separately. Refer to IPL Figure 10 for part numbers.

- (1) Mount the quick-release holding strap on a vertical panel within easy reach. The strap must be able to withstand a pulling force of at least 30 lbs (14 kg). Refer to Figure 702.
- (2) Install the mask assembly in the holding strap.

**CAUTION:** DO NOT ROUTE THE LANYARD STRING FOR THE DUST COVER THROUGH THE SUSPENSION HARNESS.

- (3) Fit the dust cover over the facepiece, and route the lanyard string behind and under the neck pad on the suspension assembly. Tie the string to the bar on the holding strap.
- (4) Connect the oxygen disconnect assembly to the aircraft oxygen system.
- (5) Plug the microphone cable into the aircraft connector.

### B. Off-Aircraft

#### (1) Storage Materials

Recommended storage materials are given in Table 702.

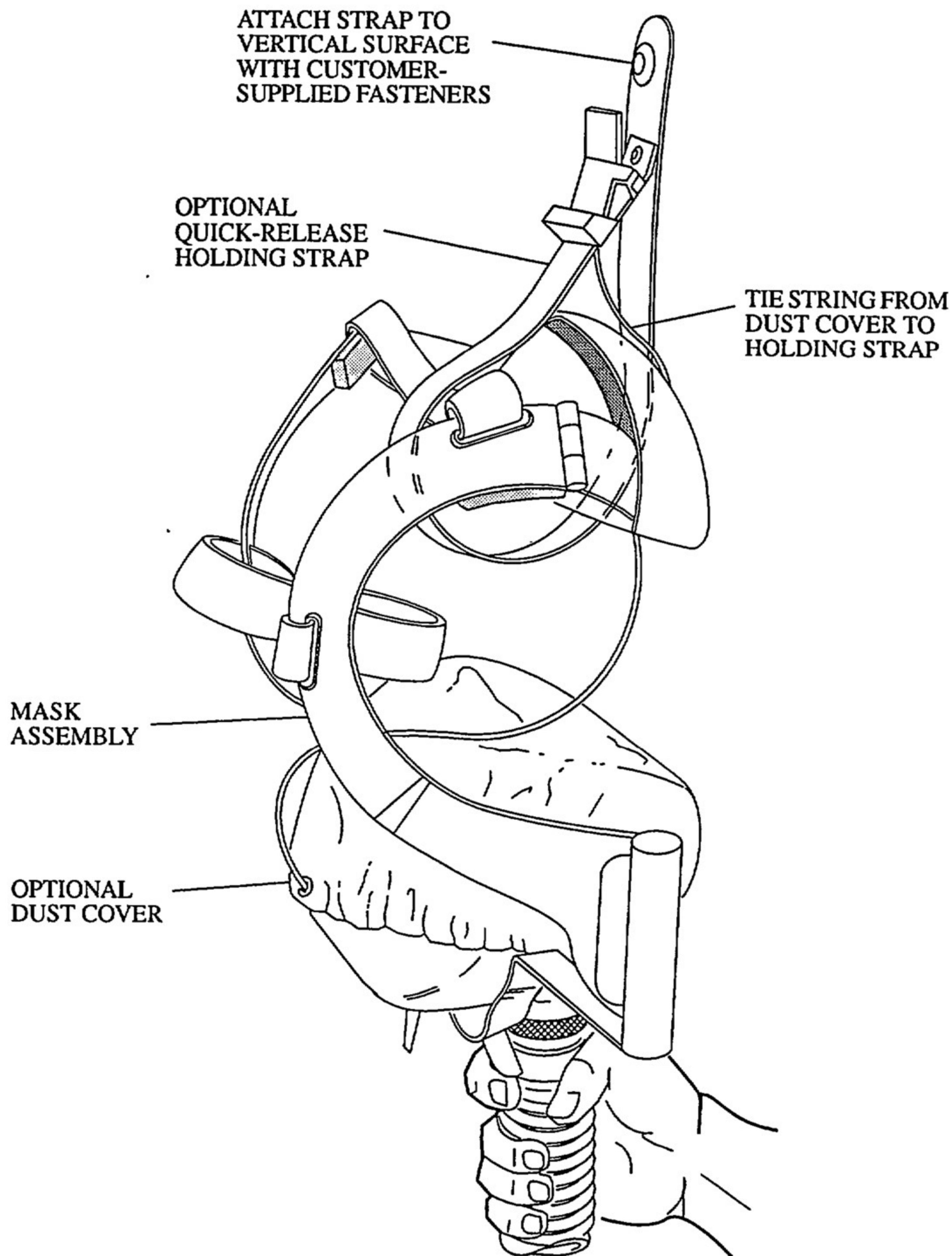
**NOTE:** Equivalent items can be used.

#### (2) Storage Instructions

- (h) Write the mask part number, rework information, and overhaul date on two identification tags. Attach the tags to the mask and the outside of the storage carton.
- (i) Heat seal the mask in a plastic bag. Place the bag in the storage carton.
- (j) Add a suitable amount of desiccant, and seal the carton with tape.

Storage Materials  
Table 702

Description	Quantity	Source
Carton, Corrugated Cardboard	1 each	Commercially Available
Desiccant, MIL-B-3464, Class 1	1 each	Commercially Available
Felt Tip Marker	As required	Commercially Available
Identification Tag	2 each	Commercially Available
Plastic Bag, Polyurethane	1 each	Commercially Available



Mask Installation in Holding Strap  
Figure 702



## **FITS AND CLEARANCES**

### 1. Assembly Torque Limits

Assembly torque limits are given in Table 801.

Assembly Torque Limits  
Table 801

<b>IPL Figure and Item Number</b>	<b>Nomenclature</b>	<b>Torque Range</b>
5-25, 5-25A	Nut, Retaining	65 – 85 in-lbs (7.7 – 9.3 N·m)

### 2. Fits and Clearances

Not applicable.

### **SPECIAL TOOLS, FIXTURES AND EQUIPMENT**

Special tools, fixtures, and test equipment recommended for maintenance of the mask assemblies are given in Table 901. Items available from Scott Aviation are illustrated in Figure 901.

**NOTE:** Equivalent items can be used.

Special Tools, Fixtures, and Equipment  
Table 901

Nomenclature	Part Number	Source (CAGE)*	Use
Elastrator, Hose Guides	00-6297	Scott Aviation (53655)	To remove and install cable guides.
Extension Tool, Torque Wrench	358-186	Scott Aviation (53655)	To install the retaining nut.
Force Gage, 0 to 50 lb (23kg)	Model In-60	Chatillion 83-30 Kew Gardens Rd. Kew Gardens, NY 11415	To measure the pull force.
Flowmeter, 0 to 1.0 LPM	---	Commercially Available	To measure flow.
Flowmeter, 0 to 10.0 LPM	---	Commercially Available	To measure flow.
Holding Fixture	358-184-1	Scott Aviation (53655)	To remove and install the retaining nut.
Hot Air Gun	Model HG-301A	Master Appliance Corp. (83284)	To shrink sleeving over wire leads and lugs.
Multimeter, Digital	Model 8060A	Fluke Mfg. Co. (89536)	To check the microphone cable for continuity.
O-ring (2 required)	405-497	Scott Aviation (53655)	To adapt the mask & hardshell for the leak test.
Oxygen Tank, Aviator's Breathing, 2200 psig (15200 kPag) maximum	MIL-O-27210	Commercially Available	Oxygen source for the breathing tests.
Pliers, Hose Clamp	450-134A	Scott Aviation (53655)	To remove and install the hose clamps.

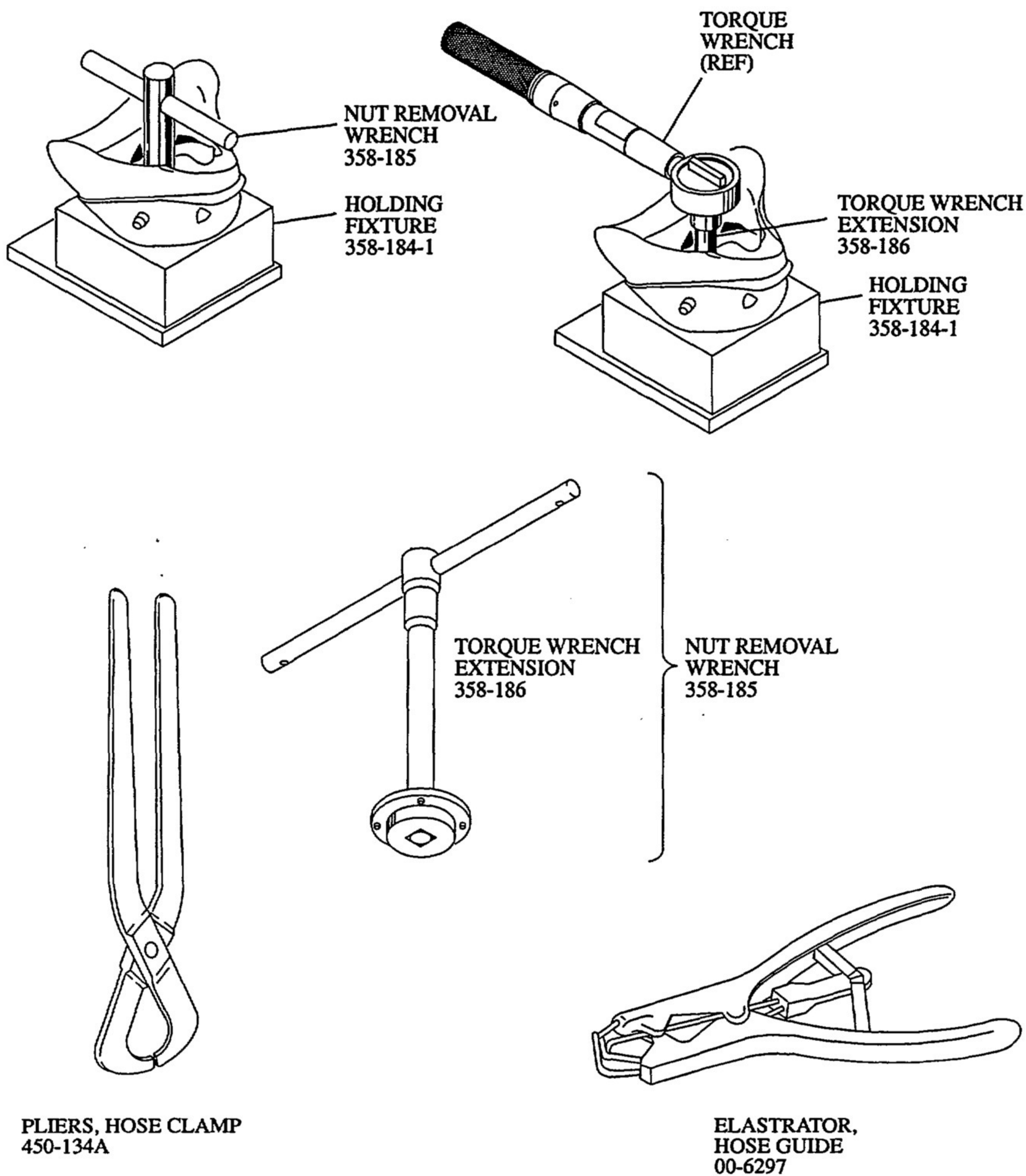
\* Refer to the IPL, paragraph 2, for the address.



Special Tools, Fixtures, and Equipment  
Table 901

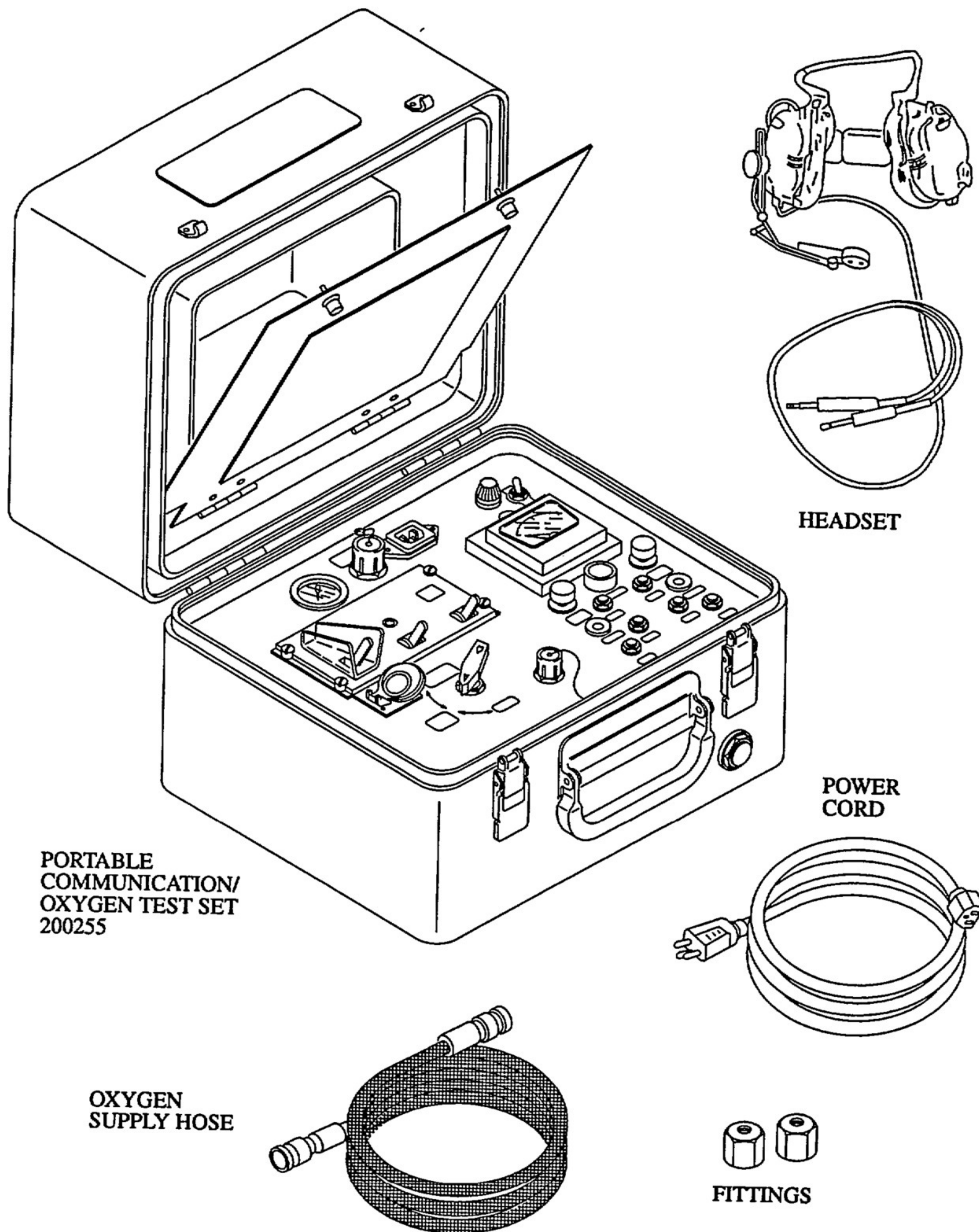
Nomenclature	Part Number	Source (CAGE)*	Use
Pressure Gage, 0 to 20 inch-water (0 to 6 kPag) (2 required)	---	Commercially Available	To measure pressure.
Pull Test Fixture	405-489	Scott Aviation (53655)	To adapt the force gage to the mask for the pull test.
Shutoff Valve	---	Commercially Available	To control flow.
Test Set, Communication/ Oxygen, Portable	200255	Scott Aviation (53655)	To bench test the mask assemblies.
Torque Wrench, 0 - 150 in-lbs (20 N·m)	---	Commercially Available	To tighten the retaining nut.
Vacuum Source, 0 to 20 inch-water (6 kPag)	---	Commercially Available	Vacuum source for the bench tests.
Wrench, Nut Removal	358-185	Scott Aviation (53655)	To remove and install the retaining nut.

\* Refer to the IPL, paragraph 2, for the address.

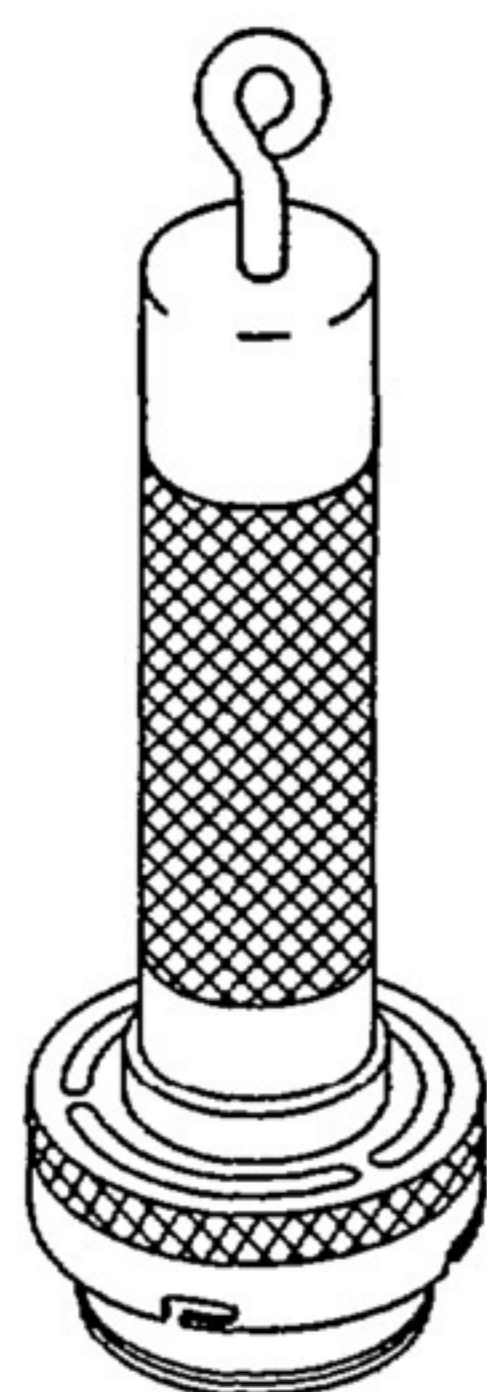


Special Tools, Fixtures, and Equipment  
Figure 901 (Sheet 1 of 3)



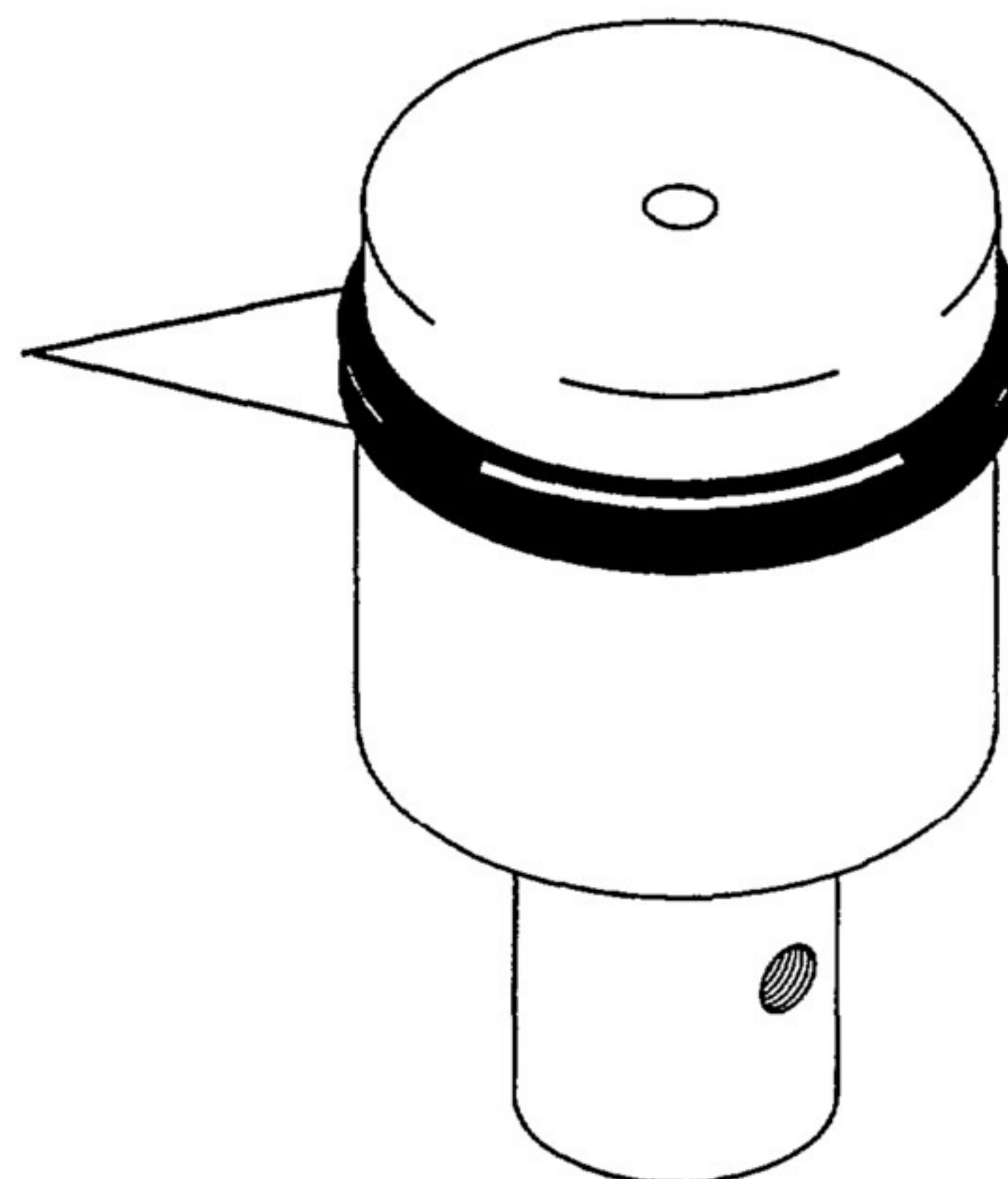


Special Tools, Fixtures, and Equipment  
Figure 901 (Sheet 2)

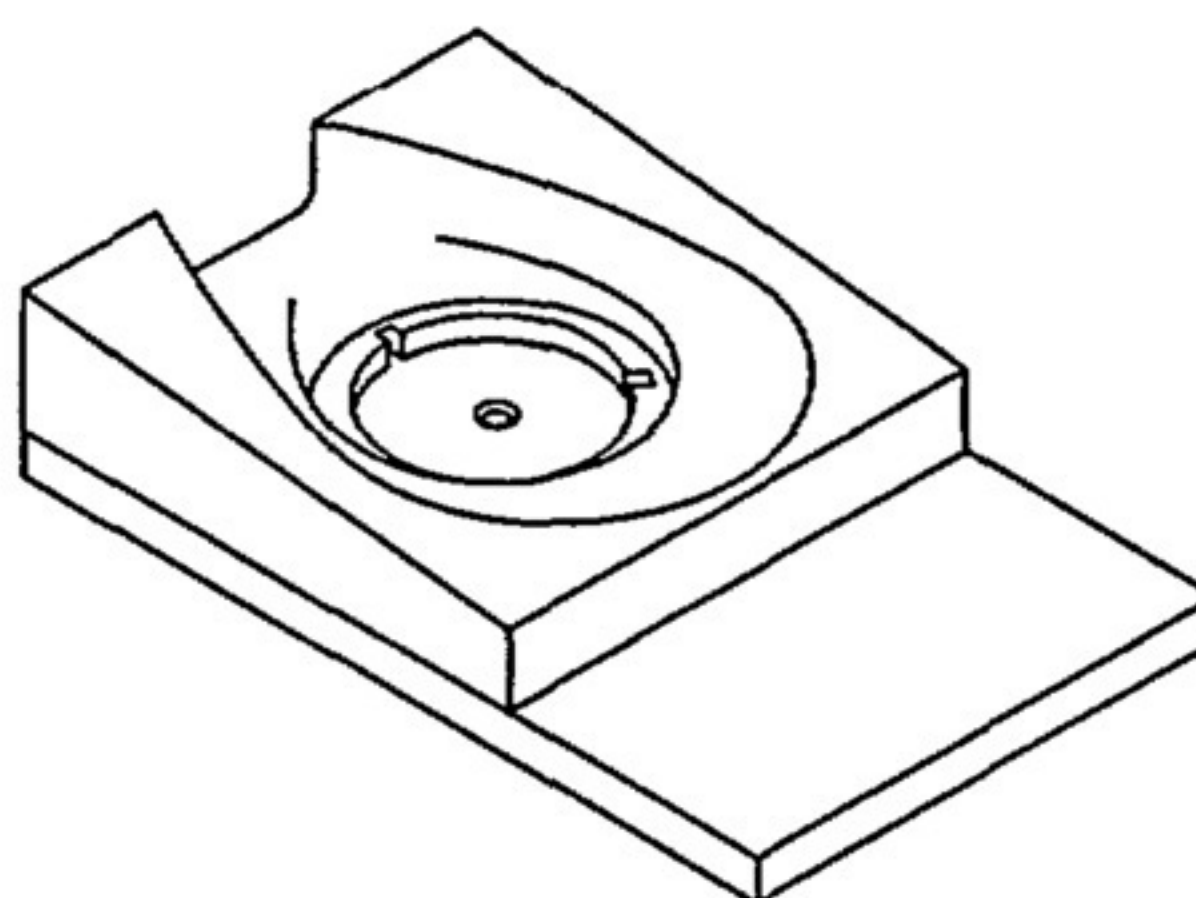


PULL TEST FIXTURE  
405-489

O-RINGS  
405-497



TEST FIXTURE  
405-443



HOLDING FIXTURE  
358-184-1

Special Tools, Fixtures, and Equipment  
Figure 901 (Sheet 3)



## ILLUSTRATED PARTS LIST

### 1. Introduction

#### A. Purpose

This IPL illustrates and lists authorized replacement parts and accessories, as follows:

<u>Mask Assemblies</u>	<u>IPL Figure</u>
Qwik-Don® Crew Masks (With Narrow Cheek Flaps) . . . . .	1
Qwik-Don® Crew Masks (With Narrow Cheek Flaps and Vent-Valve) . . . .	2
Qwik-Don® Crew Masks (With Wide Cheek Flaps) . . . . .	3
Qwik-Don® Crew Masks (With Wide Cheek Flaps and Vent-Valve) . . . . .	4

<u>Mask Subassemblies</u>	<u>IPL Figure</u>
Mask & Suspension Assemblies . . . . .	5
Valve, Hose & Communications Assemblies (With Light Blue-Green, Nylon Covered Crushproof Hoses) . . . . .	6
Valve, Hose & Communications Assemblies (With Dark Green Crushproof Hoses and External . . . . .	7
Communications Cables)	
Valve, Hose & Communications Assemblies . . . . .	8
(With Dark Green Crushproof Hoses and Internal Communications Cables)	
Valve, Hose & Communications Assemblies . . . . .	9
(With Olive-Green Silicone Rubber Hoses)	
Accessories . . . . .	10

#### B. Guide to Use of the IPL

- (1) If the part number is not known:
  - (a) Find the part in the applicable exploded-view illustration.
  - (b) Note the item number assigned to the part.
  - (c) Refer to the parts list and find the item number in the FIG. ITEM column.
- (2) If the part number is known:
  - (a) Refer to the numerical index and find the part in the PART NUMBER column.
  - (b) Note the figure number and item number assigned to the part.
  - (c) Refer to the illustration to identify attaching hardware and related assembly parts.



## 2. Manufacturer Names and Addresses

The CAGE codes for the manufacturers of the parts, materials, special tools, and test equipment referenced in this CMM are given below. The codes are taken from Handbook H4/H8. No code in the NOMENCLATURE column for commercial parts means the part is manufactured or modified by Scott Aviation.

<u>Code</u>	<u>Name and Address</u>	
05972	Loctite Corporation 705 N. Mountain Rd. Newington, CT 06111-1411	
81134	Electro-Voice, Inc. 600 Cecil St. Buchanan, MI 49107	
89536	Fluke Mfg. Co. 6920 Seaway Blvd. Everett, WA 98206	
92114	Scott Aviation A Figgie International Company 225 Erie Street Lancaster, New York 14086-9502 USA	Telephone: 716-683-5100 FAX: 716-681-1089 TELEX: 91-394

## 3. Numerical Index

The Numerical Index is provided to help find parts in the Detail Parts List by part number. The figure number, item number, and total quantity required are given for each entry.

The part numbers are arranged from left to right, one character at a time. The order of precedence is: (1) dash, (2) letters A through Z, and (3) numerals 0 through 9.

## 4. Explanation of Detail Parts List Entries

The Detail Parts List is arranged in the general sequence of disassembly. The parts are illustrated in an exploded-view illustration and listed in the related parts list.

### A. FIG. ITEM Column

- (1) The first number at the top of each FIG. ITEM column is the figure number of the corresponding illustration. The number given opposite each part number is the item number assigned to the part in the illustration.
- (2) A dash (–) in front of an item number means the part is not illustrated.
- (3) Alpha-variants A through Z (except I and O) are assigned to item numbers to identify added parts, alternate parts, and service bulletin modified parts.



**B. PART NUMBER Column**

This column contains the manufacturer's part number for each part, as modified to meet the requirements of ATA 200/2000. These modifications can include:

- (1) Removal of blank spaces and special characters, with the possible exception of dashes. Dashes are permitted only between numeric characters.
- (2) Insertion of a reference part number compatible with ATA 200/2000 if the manufacturer's part number exceeds 15 characters. In these cases, the manufacturer's part number is given in the NOMENCLATURE column.

**C. NOMENCLATURE Column**

- (1) This column contains descriptive nomenclature for each part, and can also give the manufacturer's CAGE code (if the part is not manufactured by Scott Aviation), part number (if longer than 15 digits or modified per ATA 200/2000), service bulletins affecting the part, and obsolete part numbers.
- (2) The indenture system used in the NOMENCLATURE column indicates the relationship of one part to another, as follows:
  - . 1 2 3  
End Item or Major Assembly  
ATTACHING PARTS  
Attaching Parts for End Item or Major Assembly  
\* \* \*
  - . . Detail Parts for End Item or Major Assembly  
. Subassemblies  
ATTACHING PARTS  
. Attaching Parts for Subassemblies  
\* \* \*
  - . . . Detail Parts for Subassemblies  
ATTACHING PARTS  
. . . Attaching Parts for Detail Parts  
\* \* \*
- (3) Assemblies, subassemblies, and detail parts subject to modification, deletion, addition, or replacement by an issued service bulletin are annotated to indicate both pre- and post-service bulletin configurations. The term (PRE SB XXXX) in the NOMENCLATURE column designates the original configuration, and the term (POST SB XXXX) identifies assemblies and parts after the modification has been completed.



(4) The terms defined below are used when applicable to indicate the interchangeability of parts.

<u>Term</u>	<u>Abbreviation</u>	<u>Definition</u>
Alternate	ALT	The listed part is alternate to and interchangeable with other parts within the same item number variant group or other item numbers if designated.
Superseded By	SUPSD BY	The part is replaced by and is not interchangeable with the item number designated in the notation.
Supersedes	SUPSDS	The part replaces and is not interchangeable with the item number designated in the notation.
Replaced By	REPLD BY	The part is replaced by and is interchangeable with the item number designated in the notation.
Replaces	REPLS	The part replaces and is interchangeable with the item number designated in the notation.

D. EFF CODE Column

This column contains effectivity codes (A, B, etc) to indicate the alternate models or configurations of the end item to which the parts apply. This column is left blank when the parts apply to all models or configurations included in the parts list.

E. UNITS PER ASSY Column

The quantity shown in this column represents the units required for one NHA or, when referring to attaching parts, the quantity to attach one such item. The abbreviation RF (reference) indicates that the end item or assembly is shown completely assembled in the figure referenced in the NOMENCLATURE column.



NUMERICAL INDEX

PART NUMBER	AIRLINE STOCK NO.	FIGURE	ITEM	TTL REQ
AN500D2-5		6	40	1
		7	40	2
		8	40	1
		9	40	2
AN510C1-8		6	70	3
		6	85	3
		7	70	3
		7	95	3
		7	110	3
		8	75	3
		8	90	3
		9	75	3
		9	90	3
AN526C1032R5		5	125	1
		5	145	1
MS22055H36		7	310G	1
MS22055H48		7	310F	1
MS22055H72		7	310A	1
MS22058-1		7	145E	1
		8	120D	1
MS22064-5		6	110	2
		7	135	2
		8	115	1
		8	170	1
		9	120	2
MS25036-43		6	135	2
		6	205	2
		7	155	2
		7	155A	3
		7	220	2
		7	260	2
		7	300	2
		8	130	2
		8	200	2
		9	150	2
		9	215	2
MS35206-201		6	160	1
		7	175	1
		8	150	1
		9	170	1
MS35333-35		6	165	1
		7	180	1
		8	155	1
		9	165	1

NUMERICAL INDEX

PART NUMBER	AIRLINE STOCK NO.	FIGURE	ITEM	TTL REQ
M35333-39		5	130	1
		5	150	1
00-1072		6	195	1
		7	210	1
		7	295	1
		8	190	1
		9	205	1
00-1074		6	15A	1
		7	15A	1
		8	15	1
		9	15	1
00-1080		7	310E	1
00-1081		6	155	1
		7	170	1
		8	145	1
		9	165	1
00-1587		7	35	1
		8	35A	1
		9	35	1
00-1686		6	185B	RF
		7	225A	1
00-1903		5	85	1
00-2329		6	140	AR
		7	160	AR
		8	135	AR
		9	155	AR
00-2409		6	150	AR
		7	165	AR
		8	140A	AR
		9	160	AR
		8	210D	1
00-3038		5	80	1
00-3244		8	210	1
00-3404		7	310H	1
00-3557		6	35	1
00-3682		8	35	1
		6	180F	1
00-3689		7	195A	1
00-3854		8	210A	1
00-3887		7	200A	RF
		8	185	RF
00-3911		7	310	1
00-3912		7	310J	1
00-3913		7	310B	1



## NUMERICAL INDEX

PART NUMBER	AIRLINE STOCK NO.	FIGURE	ITEM	TTL REQ
00-3933		8	210E	1
00-4006		7	310L	1
00-4174		7	300D	1
00-4263		7	45A	1
		8	45	1
		9	50	1
00-4335		6	190A	RF
		6	215G	AR
		7	205	RF
		7	230	1
		9	200A	RF
00-4386		8	10C	1
00-4390		7	285	RF
		8	185D	RF
00-4391		8	185C	RF
		9	195B	RF
00-4637		6	190	RF
		6	215F	AR
		7	205A	RF
		7	230B	1
		7	250	RF
		9	200	RF
		9	225	1
00-4928		8	210B	1
00-4986		7	290	RF
00-5136		8	210C	1
00-5573		8	220	1
00-5574		8	225	1
00-5811		7	45	1
		9	45	1
00-5989		10	5	RF
00-639		6	105	3
		7	130D	8
		7	130E	6
		7	130F	4
		7	130G	9
		7	130H	5
		7	130J	3
		7	130K	2
		7	130L	10
		9	115	2

**NUMERICAL INDEX**

<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
00-642		6	185	RF
		6	235B	RF
		7	200B	RF
		8	185A	RF
		9	195	RF
00-650		6	15	2
00-651-3		7	10E	1
00-652		6	210	1
		6	235	RF
		6	260	RF
		7	225	1
		7	265	1
		7	305	1
		8	205	1
		9	220	1
00-668		6	50	3
		7	55	3
		8	55	3
		9	60	3
		9	105	3
00-681		5	135	3
		5	155	3
00-7319		7	10C	1
00-7435		8	140	AR
00-779		6	10B	1
		7	10	1
		8	10B	1
00-850		6	185A	RF
		6	235A	RF
		7	200	RF
		9	195A	RF
00-861		7	10B	1
00-868		8	185B	RF
00-953		6	260A	RF
		7	200C	RF
		7	255	RF
		7	285A	RF
00-961		6	230	RF
		7	245	RF
00-964		7	130	4
		7	130A	3
		7	130B	10
		7	130C	5



**NUMERICAL INDEX**

<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
138-129		9	115A	3
		9	115B	1
211-162		9	140	1
211-165W		8	175B	1
211-165W-1		8	175C	1
211-165		6	175	1
		7	190	1
		8	175	1
		8	215	1
		9	185A	1
211-270		6	175A	1
		7	190A	1
		8	175A	1
		9	185	1
232-1000-1		7	240A	1
232-1000-2		7	240B	1
232-1006		1	15D	1
		6	1M	RF
232-1007		6	130K	1
232-1008		6	190B	RF
232-1016ILMB		3	15G	1
		7	1A	RF
232-1017SMB		6	1N	RF
232-1018SMB		3	15H	1
		7	1B	RF
232-1028		6	130L	1
232-1029		6	225B	1
232-1030		7	150B	1
232-1033		7	150A	1
232-1034		6	240B	RF
232-1060ILMB		4	20A	1
		6	1P	RF
232-1061		6	130M	1
232-1074		1	15R	1
		9	1	RF
232-1082		9	145	1
232-1111		2	20BA	1
		7	1C	RF
232-1111-1		2	20CA	1
		7	1D	RF
232-1117SMB		1	15Q	1
		8	1F	RF
232-1118		8	125E	1

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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
232-1119		6	170	2
		7	185	2
		8	160	2
		9	180	2
232-1122		3	15J	1
		8	1G	RF
232-1126		8	125F	1
232-1127		8	180B	1
232-1135		8	180C	1
232-1142		6	130U	1
232-115		6	95	1
		7	120	1
		8	100	1
		9	100	1
232-1155ILMB		1	15HA	1
		2	20P	1
		3	15E	1
		4	20	1
		8	1H	RF
232-1156		8	125G	1
232-1159ILMB		1	15E	1
		7	1E	RF
232-1160		7	150D	1
232-1161ILMB		3	15L	1
		7	1F	RF
232-1162		7	150E	1
232-1166ILMB		1	15F	1
		2	20B	1
		8	1J	RF
232-1167		8	125H	1
232-1169ILMB		1	15J	1
		7	1G	RF
232-1170		7	150F	1
232-1173ILMB		3	15M	1
		4	20B	1
		6	1Q	RF
232-1174		6	130N	1
232-1175ILMB		1	15H	1
		6	1R	RF
232-1176ILMB		2	20D	1
		7	1H	RF
232-1178ILMB		1	15JA	1
		7	1J	RF
232-1179		7	150H	1



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PART NUMBER	AIRLINE STOCK NO.	FIGURE	ITEM	TTL REQ
232-1181		7	230A	1
232-1186ILMB		3	15Q	1
		4	20G	1
		6	1S	RF
232-1187		6	130P	1
232-1191ILMB		3	15S	1
		7	1K	RF
232-1192		7	150J	1
232-1194		1	15K	1
		7	1L	RF
232-1195SMB		1	15L	RF
		8	1K	RF
232-1196		8	125S	1
232-1198		8	125J	1
232-1201		2	20C	1
		8	1L	RF
232-1202		8	125K	1
232-1203		7	150G	1
232-1204SMB		1	15LA	1
		9	1A	RF
232-1205		9	145A	1
232-1206		1	15M	1
		6	1T	RF
232-1207		6	130Q	1
232-1210ILMB		1	15W	1
		2	20J	1
		9	1B	RF
232-1213		9	145B	RF
232-1220-1		7	150S	1
232-1223SMB		2	20E	1
		7	1M	RF
232-1224		7	150L	1
232-1227ILMB		2	20F	1
		6	1U	RF
232-1228		6	130R	1
232-1239		1	15S	1
		8	1M	RF
232-1240		8	125L	1
232-1241		3	20G	1
		8	1N	RF
232-1242ILMB		1	15T	1
		9	1C	RF
232-1243		9	145C	1

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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
232-1244ILMB		1	15U	1
		2	20H	1
		9	1D	RF
232-1245		9	145D	1
232-1246		1	15V	1
		9	1E	RF
232-1248		1	15X	1
		2	20K	1
		7	1N	RF
232-1249		7	150M	1
232-1258		1	15Y	1
		2	20L	1
		7	1P	RF
232-1260		4	20E	1
		7	1Q	RF
232-1261		4	20F	1
		7	1R	RF
232-1262		1	15BA	1
		6	1V	RF
232-1263		1	15CA	1
		8	1P	1
232-1264		7	150N	RF
232-1265		6	130S	1
232-1270		1	15DA	1
		8	1Q	RF
232-1272		1	15EA	1
		9	1F	RF
232-1274		2	20M	1
		8	1R	RF
232-1278		1	15GA	1
		2	20N	1
		9	1G	RF
232-1279		1	15FA	1
		7	1S	RF
232-1281		3	15P	1
		6	1W	RF
232-1300		2	20R	1
		8	1S	RF
232-1301		2	20U	1
		8	1T	RF
232-1305		1	15MA	1
		8	1U	RF
232-1307		3	15V	1
		8	1V	RF



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PART NUMBER	AIRLINE STOCK NO.	FIGURE	ITEM	TTL REQ
232-1308		2	20Q	1
		8	1W	RF
232-1312		1	15RA	1
		8	1X	RF
232-1317		1	15NA	1
		7	1T	RF
232-1318		1	15SA	1
		6	1X	RF
232-1320		2	20T	1
		7	1U	RF
232-1323		2	20V	1
		7	1V	RF
232-1325		7	150U	1
232-1326		4	20K	1
		7	1W	RF
232-1327		4	20L	1
		7	1X	RF
232-1328		3	15T	1
		8	1Y	RF
232-1329		8	125W	1
232-1330		1	15UA	1
		7	1Y	RF
232-1335-1		1	15WA	1
		8	1Z	RF
232-1336-1		1	15TA	1
		8	1BA	RF
232-1337		2	20X	1
		8	1CA	RF
232-1339-1		1	15PA	1
		7	1Z	RF
232-1339-2		1	15QA	1
		7	1BA	RF
232-1348		2	20Z	1
		7	1CA	RF
232-1352		2	20DA	1
		8	1DA	RF
232-1354		2	20EA	1
		6	1Y	RF
232-1358		2	20FA	1
		7	1DA	RF
232-1359		1	15XA	1
		6	1Z	RF
232-1360		4	20N	1
		8	1EA	RF

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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
232-1361		4	20P	1
		7	1EA	RF
232-1362		4	20J	1
		8	1FA	RF
232-1365		2	20GA	1
		8	1GA	RF
232-1366		4	20Q	1
		7	1FA	RF
232-1367		2	20JA	1
		6	1BA	RF
232-1369		2	20JA	1
		7	1GA	RF
232-1370		2	20KA	1
		7	1HA	RF
232-1371		4	20R	1
		7	1JA	RF
232-1373		2	20CA	1
		8	1HA	RF
232-1374		2	20MA	1
		7	1KA	RF
232-141		6	270E	1
232-161-4		6	180D	1
232-162-4		6	130J	1
232-1811-1		9	145F	1
232-1816		2	20S	1
		7	1LA	RF
232-1817-1		3	15U	1
		7	1MA	RF
232-1817-2		4	20M	1
		7	1NA	RF
232-1818		1	15VA	1
		2	20W	1
		7	1PA	RF
232-1820		2	20Y	1
		7	1QA	RF
232-202		5	45	1
		8	50	1
232-203		5	40	1
232-204		5	25	1
232-206		6	215B	1
232-215		6	125	1
		7	145B	1
		8	120A	1



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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
232-218-2		6	120	1
		7	140	1
		8	105A	1
		9	125	1
232-218-3		6	120A	1
		7	140A	1
		8	105	1
		9	125A	1
232-235ILMB		1	15N	1
		2	20	1
		6	1	RF
232-235SMB		1	15A	1
		6	1A	RF
232-237-1		6	215A	1
232-237-2		6	215	1
232-237-3		7	230C	1
232-246		6	125C	1
		7	145A	1
		8	120C	1
232-253		6	245	1
		7	270	1
232-270		6	10	1
		7	10D	1
		8	10A	1
		9	10A	1
232-272		6	180	1
232-274		6	10A	1
		7	10A	1
		8	10	1
		9	10	1
232-275-1		6	130A	1
232-275-2		6	130	1
232-275-3		7	150Z	1
232-276		6	130B	1
232-279		6	270	1
232-283		6	270D	1
232-309		6	145	AR
232-32		6	45	1
		7	50A	1
		8	50	1
		9	55	1
232-321ILMB		1	15LA	1
		3	15	1
		4	20H	1
		6	1B	RF

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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
232-388ILMB		3	15R	1
		6	1G	RF
232-403SMB		3	15M	1
		4	20C	1
		6	1D	RF
232-404SMB		3	15N	1
		6	1E	RF
232-413-2		6	130D	1
232-414-1		6	250C	1
232-415		6	265A	RF
232-420-12		6	120C	1
232-420-15		6	120D	1
232-420-2		6	115	1
232-420-5		6	120A	1
232-420-6		6	120B	1
232-430		6	130G	1
232-439		6	5A	1
		7	5A	1
		8	5A	1
		9	5A	1
232-445		6	220	1
		7	235	1
232-446		6	225	1
232-45		6	270C	1
232-450		6	240	RF
232-452		6	130C	1
		7	150Y	1
232-454		6	250	1
232-459-2		6	130E	1
232-46		6	270A	1
232-460		6	265	RF
232-468		6	225A	1
232-471		6	240A	RF
232-475		5	30	1
232-480		6	215D	1
232-481		6	270B	1
232-617		6	270G	1
232-658B		6	55	1
		7	80	1
		8	60	1



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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
232-659		6	65	1
		6	80	1
		7	90	1
		7	105	1
		8	70	1
		8	85	1
		9	85	1
232-662		6	5	1
		6	36	1
		6	60	1
		7	5	1
		7	25	1
		7	85	1
		8	5	1
		8	25	1
		8	65	1
		9	5	1
		9	25	1
232-667		6	75	3
		6	90	3
		7	75	3
		7	100	3
		7	115	3
		8	80	3
		8	95	3
		9	80	3
		9	95	3
232-685		6	20	1
		8	20	1
232-685-1		7	20A	1
		8	20A	1
		9	20A	1
232-685-3		7	20	1
		9	20	1
232-702		6	30	1
		7	30	1
		8	30	1
		9	30	1
232-745ILMB		1	15P	1
		6	1F	RF
232-747		6	250A	1
232-748		6	265B	RF

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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
232-760ILMB		1	15Z	1
		6	1G	RF
232-761		6	130F	1
232-762		6	215C	1
232-765-1		7	290A	RF
232-765-2		7	290C	RF
232-765-3		7	290D	RF
232-774		8	125	1
232-785SMB		1	15	1
		6	1H	RF
232-791ILMB		3	15B	1
		6	1J	RF
232-793		4	20D	1
		8	1	RF
232-794ILMB		3	15A	1
		8	1A	RF
232-799ILMB		3	15D	1
		6	1K	RF
232-803		7	60	1
		9	65	1
232-813		6	250B	1
232-814		6	265C	RF
232-818-1		7	290B	RF
232-819		7	65	1
		9	70	1
232-825ILMB		3	15F	1
		8	1B	RF
232-825SMB		1	15B	1
		8	1C	RF
232-826		8	125B	1
232-826-1		8	125A	1
232-828		3	15C	1
		6	1L	RF
232-839		6	215E	1
232-840-1		6	130H	1
232-861		6	270F	1
		7	310K	1
232-881-1		7	310C	1
232-892		1	15C	1
		8	1D	RF
232-893		2	20A	1
		8	1E	RF
232-894		8	125C	1
232-896		8	180	1
232-897		8	180A	1



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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
232-898SMB		1	15G	RF
		7	1	RF
232-94		6	125B	1
		7	145D	1
		8	120B	1
		9	130A	1
232-94A		6	130A	1
		7	145	1
		8	120	1
		9	130	1
249-06		9	135	1
249-315		6	100	2
		7	125	2
		7	125A	5
		7	125B	9
		8	110	1
		8	165	1
		9	110	2
249-425		7	130M	1
		9	115E	1
266-114		7	145C	1
322-70		10	15	RF
322-71		10	35	1
322-72		10	30	1
322-73		10	20	1
322-74		10	25	2
358-1002		1	10	1
		5	1	RF
358-1002V		2	15	1
		5	1A	RF
358-1005		5	90	1
358-1013		5	115	1
358-1015		5	110	1
358-1017		5	165	1
358-1023		5	95	1
358-1025		5	20	1
		8	25	1
358-1029		5	10B	1
358-1030		3	10	1
		5	1B	RF
358-1030V		4	15	1
		5	1C	RF
358-1034		1	1D	RF

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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
358-1037		5	20B	1
358-1050V-1		4	1A	RF
358-1059		1 thru 4	5	1
358-1071-1		3	1F	RF
358-1074		5	100	1
358-1095-1		1	1E	RF
358-1097V-1		2	1B	RF
358-1097-1		1	1F	RF
358-1098-1		1	1G	RF
358-1099-1		1	1H	RF
358-1103-1		3	1G	RF
358-1105-1		3	1H	RF
358-1107-1		3	1J	RF
358-1112-1		3	1K	RF
358-1113-1		3	1L	RF
358-1114-1		1	1J	RF
358-1118V-1		4	1B	RF
358-1118-1		3	1M	RF
358-1128-1		1	1K	RF
358-1129		1	1L	RF
358-1137V-1		2	1C	RF
358-1139V-1		2	1D	RF
358-1140		1	1M	RF
358-1141-1		1	1N	RF
358-1142-1		1	1P	RF
358-1143-1		1	1Q	RF
358-1149		1	1R	RF
358-1156V-1		2	1E	RF
358-1158V-1		2	1F	RF
358-1164V-1		4	1C	RF
358-1164-1		3	1N	RF
358-1165-1		3	1P	RF
358-1167-1		1	1S	RF
358-1168V-1		2	1G	RF
358-1169-1		1	1T	RF
358-1170V-1		2	1H	RF
358-1170-1		1	1U	RF
358-1171-1		1	1V	RF
358-1172V		2	1J	RF
358-1172-1		1	1W	RF
358-1174V		2	1K	RF
358-1174-1		1	1X	RF
358-1176V-1		2	1L	RF



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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
358-1176-1		1	1Y	RF
358-1178V-2		4	1D	RF
358-1179-1		1	1Z	RF
358-1180V-2		4	1E	RF
358-1181V-2		4	1F	RF
358-1183-1		1	1BA	RF
358-1184-1		1	1CA	RF
358-1185-1		1	1DA	RF
358-1187-1		1	1EA	RF
358-1189V-1		2	1M	RF
358-1190-1		1	1FA	RF
358-1193-1		1	1GA	RF
358-1193V-1		2	1N	RF
358-1194-1		3	1Q	RF
358-1201V		1	1HA	RF
358-1201V-1		2	1P	RF
358-1202-1		1	1JA	RF
358-1203-1		3	1R	RF
358-1203V-1		4	1G	RF
358-1204-1		3	1S	RF
358-1205-1		3	1T	RF
358-1206-1		3	1U	RF
358-1206V-1		4	1H	RF
358-1207-1		1	1KA	RF
358-1208		1	1LA	RF
358-1211-1		5	10A	1
358-1211-3		8	15A	1
358-1212		7	55	1
358-1213-2		5	10	1
358-1217		5	60	1
358-1222		5	65	1
358-1223-2		5	10C	1
358-1224-2		5	70C	1
358-1226-2		5	70B	1
358-1227		5	20C	1
358-1228-2		5	15C	1
358-1228-5		5	15A	1
358-1228-6		5	15	1
358-1231		5	55A	1
358-1232-1		5	65A	1
358-1258-1		1	1MA	RF
358-1260V-1		2	1Q	RF
358-1262-1		1	1NA	RF
358-1263-1		3	1V	RF

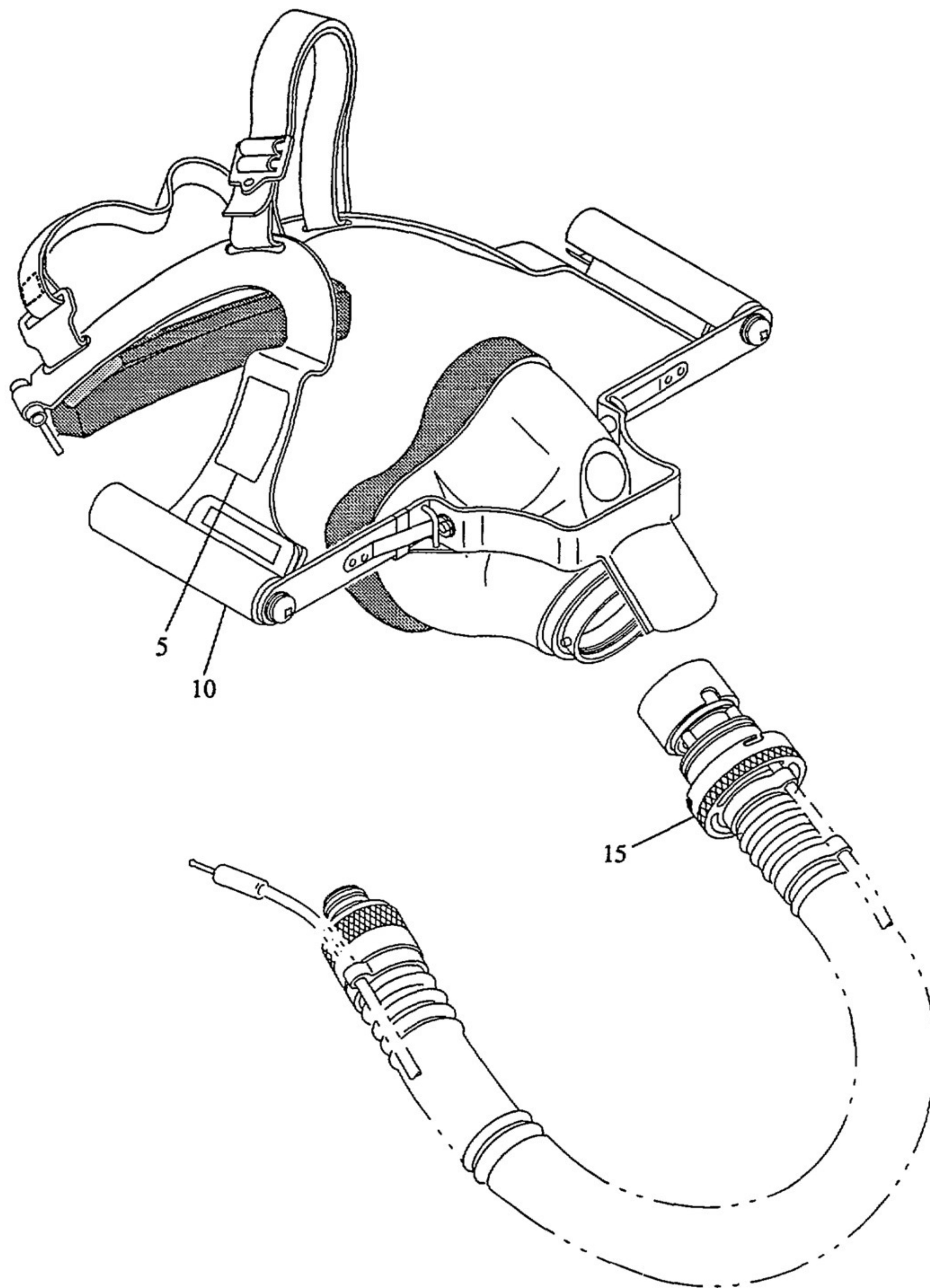
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<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
358-1265-1		1	1PA	RF
358-1365-2		1	1QA	RF
358-13		5	50	1
358-1366-1		5	70A	1
358-1366-2		5	70	1
358-1389		5	20A	1
358-1395V		2	1R	RF
358-1396-1		1	1RA	RF
358-1399		3	1W	RF
358-14		5	30A	1
358-1402V-1				
		2	1S	RF
358-1406V		4	1J	RF
358-1411V-1		2	1T	RF
358-1417V-1		2	1U	RF
358-1419-1		3	1X	RF
358-1423V-1		4	1K	RF
358-1424		1	1SA	RF
358-1425-1		1	1TA	RF
358-1427V-1		2	1V	RF
358-1429V-1		4	1L	RF
358-1430V-1		4	1M	RF
358-1431-1		1	1UA	RF
358-1432V-1		2	1W	RF
358-1432-1		1	1VA	RF
358-1433V-1		4	1N	RF
358-1435V-1		2	1X	RF
358-1436V-1		2	1Y	RF
358-1437-1		1	1WA	RF
358-1457V		2	1Z	RF
358-1459		2	10	1
		4	10	1
358-1464V		2	1BA	RF
358-1464V-1		2	1CA	RF
358-1469V		2	1DA	RF
358-1475V		2	1EA	RF
358-1480V		2	1FA	RF
358-1481		1	1XA	RF
358-1482V		4	1P	RF
358-1484V		4	1Q	RF
358-1488V		2	1GA	RF
358-1491V		4	1R	RF
358-1492V		2	1HA	RF
358-1495V		2	1JA	RF
358-1497V		2	1KA	RF



**NUMERICAL INDEX**

<b>PART NUMBER</b>	<b>AIRLINE STOCK NO.</b>	<b>FIGURE</b>	<b>ITEM</b>	<b>TTL REQ</b>
358-1498V		4	1S	RF
358-15		5	25A	1
358-1500V		2	1LA	RF
358-1508V		2	1MA	RF
358-160		5	1	RF
358-174		5	35	1
358-28		6	45A	1
		7	50	1
		8	50A	1
358-34		6	15B	1
		7	15	1
		8	15A	1
358-405V-1		2	1	RF
358-607		5	160	1
358-613-1		5	120	1
358-613-2		5	140	1
358-636		5	105	1
358-637		5	75	2
358-643E		10	10	RF
358-649-14		5	5	1
358-649-20		5	5A	1
358-649-28		5	5C	1
358-649-5		5	5B	1
358-656-8		5	15B	1
358-680-1		3	1	RF
358-692-1		1	1	RF
358-693-1		1	1A	RF
358-694-1		3	1A	RF
358-851-1		3	1B	RF
358-859-1		1	1B	RF
358-861-1		3	1C	RF
358-863-1		3	1D	RF
358-875		1	1C	RF
358-876V		2	1A	RF
358-894		3	1E	RF
358-894V		4	1	RF
450-13		7	130N	2
500-279		9	135A	1
520-324-1		6	200	1
		7	215	1
		8	195	1
		9	210	1
651-274		9	115D	1
651-275		9	115C	2



Quik-Don® Crew Mask Assemblies (With Narrow Cheek Flaps)  
IPL Figure 1



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
1 -1	358-692-1		MASK ASSY, QUIK-DON®, NARROW	A	RF
-1A	358-693-1		MASK ASSY, QUIK-DON®, NARROW	B	RF
-1B	358-859-1		MASK ASSY, QUIK-DON®, NARROW	C	RF
-1C	358-875		MASK ASSY, QUIK-DON®, NARROW	D	RF
-1D	358-1034		MASK ASSY, QUIK-DON®, NARROW	E	RF
-1E	358-1095-1		MASK ASSY, QUIK-DON®, NARROW	F	RF
-1F	358-1097-1		MASK ASSY, QUIK-DON®, NARROW	G	RF
-1G	358-1098-1		MASK ASSY, QUIK-DON®, NARROW	H	RF
-1H	358-1099-1		MASK ASSY, QUIK-DON®, NARROW	J	RF
-1J	358-1114-1		MASK ASSY, QUIK-DON®, NARROW	K	RF
-1K	358-1128-1		MASK ASSY, QUIK-DON®, NARROW	L	RF
-1L	358-1129		MASK ASSY, QUIK-DON®, NARROW	M	RF
-1M	358-1140		MASK ASSY, QUIK-DON®, NARROW	N	RF
-1N	358-1141-1		MASK ASSY, QUIK-DON®, NARROW	P	RF
-1P	358-1142-1		MASK ASSY, QUIK-DON®, NARROW	Q	RF
-1Q	358-1143-1		MASK ASSY, QUIK-DON®, NARROW	R	RF
-1R	358-1149		MASK ASSY, QUIK-DON®, NARROW	S	RF
-1S	358-1167-1		MASK ASSY, QUIK-DON®, NARROW	T	RF
-1T	358-1169-1		MASK ASSY, QUIK-DON®, NARROW	U	RF
-1U	358-1170-1		MASK ASSY, QUIK-DON®, NARROW	V	RF
-1V	358-1171-1		MASK ASSY, QUIK-DON®, NARROW	W	RF
-1W	358-1172-1		MASK ASSY, QUIK-DON®, NARROW	X	RF
-1X	358-1174-1		MASK ASSY, QUIK-DON®, NARROW	Y	RF

- ITEM NOT ILLUSTRATED



**PARTS LIST**

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
1 -1Y	358-1176-1		MASK ASSY, QUIK-DON®, NARROW	Z	RF
-1Z	358-1179-1		MASK ASSY, QUIK-DON®, NARROW	BA	RF
-1BA	385-1183-1		MASK ASSY, QUIK-DON®, NARROW	CA	RF
-1CA	358-1184-1		MASK ASSY, QUIK-DON®, NARROW	DA	RF
-1DA	358-1185-1		MASK ASSY, QUIK-DON®, NARROW	EA	RF
-1EA	358-1187-1		MASK ASSY, QUIK-DON®, NARROW	FA	RF
-1FA	358-1190-1		MASK ASSY, QUIK-DON®, NARROW	GA	RF
-1GA	358-1193-1		MASK ASSY, QUIK-DON®, NARROW	HA	RF
-1HA	358-1201-1		MASK ASSY, QUIK-DON®, NARROW	JA	RF
-1JA	358-1202-1		MASK ASSY, QUIK-DON®, NARROW	KA	RF
-1KA	358-1207-1		MASK ASSY, QUIK-DON®, NARROW	LA	RF
-1LA	358-1208		MASK ASSY, QUIK-DON®, NARROW	MA	RF
-1MA	358-1258-1		MASK ASSY, QUIK-DON®, NARROW	NA	RF
-1NA	358-1262-1		MASK ASSY, QUIK-DON®, NARROW	PA	RF
-1PA	358-1265-1		MASK ASSY, QUIK-DON®, NARROW	QA	RF
-1QA	358-1265-2		MASK ASSY, QUIK-DON®, NARROW	RA	RF
-1RA	358-1396-1		MASK ASSY, QUIK-DON®, NARROW	SA	RF
-1SA	358-1424		MASK ASSY, QUIK-DON®, NARROW	TA	RF
-1TA	358-1425-1		MASK ASSY, QUIK-DON®, NARROW	UA	RF
-1UA	358-1431-1		MASK ASSY, QUIK-DON®, NARROW	VA	RF
-1VA	358-1432-1		MASK ASSY, QUIK-DON®, NARROW	WA	RF
-1WA	358-1437-1		MASK ASSY, QUIK-DON®, NARROW	XA	RF
-1XA	358-1481		MASK ASSY, QUIK-DON®, NARROW	YA	RF

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
1	5	358-1059	• NAMEPLATE, TSO-C78		1
	10	358-1002	• MASK & SUSPENSION ASSY, QUIK-DON®, NARROW (SEE IPL FIG. 5 FOR DETAIL PARTS)		1
	15	232-785SMB	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	A	1
	-15A	232-235SMB	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	B	1
	-15B	232-825SMB	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	C	1
	-15C	232-892	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	D	1
	-15D	232-1006	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	E	1
	-15E	232-1159ILMB	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	F	1
	-15F	232-1166ILMB	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	G	1
	-15G	232-898SMB	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	H	1
	-15H	232-1175ILMB	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	J	1
	-15J	232-1169ILMB	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	K	1
	-15K	232-1194	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	L	1
	-15L	232-1195SMB	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	M	1
	-15M	232-1206	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	N	1
	-15N	232-235ILMB	• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	P	1

- ITEM NOT ILLUSTRATED



## PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
1 -15P	232-745ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	Q	1
-15Q	232-1117SMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	R	1
-15R	232-1074		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	S	1
-15S	232-1239		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	T	1
-15T	232-1242ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	U	1
-15U	232-1244ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	V	1
-15V	232-1246		• VALVE & HOSE ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	W	1
-15W	232-1210ILMB		• VALVE & HOSE ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	X	1
-15X	232-1248		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	Y	1
-15Y	232-1258		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	Z	1
-15Z	232-760ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	BA	1
-15BA	232-1262		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	CA	1
-15CA	232-1263		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	DA	1
-15DA	232-1270		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	EA	1
-15EA	232-1272		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	FA	1
-15FA	232-1279		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	GA	1

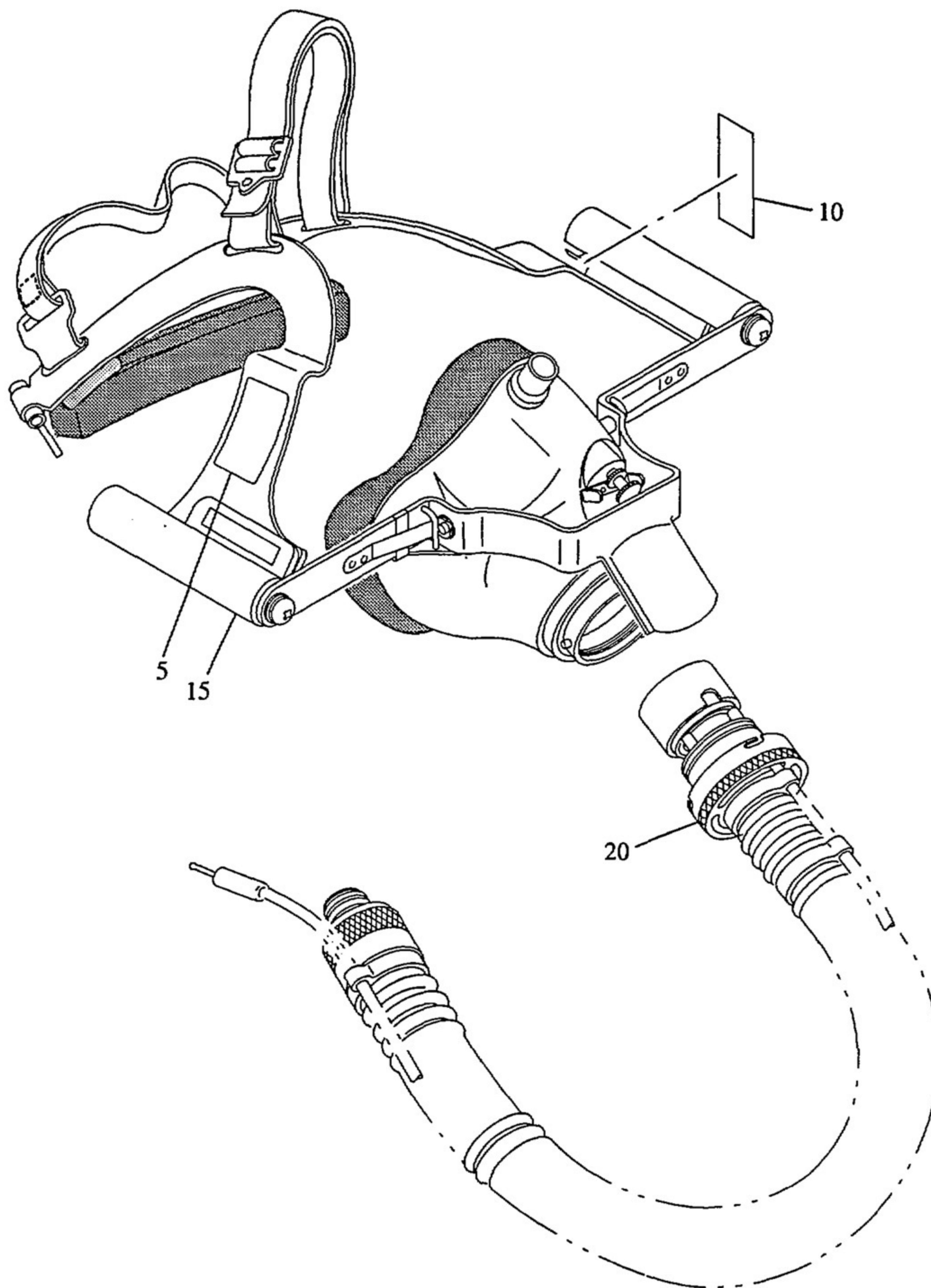
- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
1 -15GA	232-1278		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	HA	1
-15HA	232-1155ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	JA	1
-15JA	232-1178ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	KA	1
-15KA	232-1204SMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	LA	1
-15LA	232-321ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	MA	1
-15MA	232-1305		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	NA	1
-15NA	232-1317		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	PA	1
-15PA	232-1339-1		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	QA	1
-15QA	232-1339-2		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	RA	1
-15RA	232-1312		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	SA	1
-15SA	232-1318		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	TA	1
-15TA	232-1336-1		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	UA	1
-15UA	232-1330		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	VA	1
-15VA	232-1818		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	WA	1
-15WA	232-1335-1		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	XA	1
-15XA	232-1359		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	YA	1

- ITEM NOT ILLUSTRATED



Quik-Don® Crew Mask Assemblies (With Narrow Cheek Flaps and Vent-Valve)  
IPL Figure 2



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
2 -1	358-405V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	A	RF
-1A	358-876V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	B	RF
-1B	358-1097V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	C	RF
-1C	358-1137V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	D	RF
-1D	358-1139V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	E	RF
-1E	358-1156V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	F	RF
-1F	358-1158V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	G	RF
-1G	358-1168V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	H	RF
-1H	358-1170V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	J	RF
-1J	358-1172V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	K	RF
-1K	358-1174V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	L	RF
-1L	348-1176V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	M	RF
-1M	358-1189V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	N	RF
-1N	358-1193V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	P	RF
-1P	358-1201V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	Q	RF
-1Q	358-1260V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	R	RF
-1R	358-1395V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	S	RF
-1S	358-1402V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	T	RF
-1T	358-1411V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	U	RF
-1U	358-1417V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	V	RF
-1V	358-1427V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	W	RF
-1W	358-1432V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	X	RF
-1X	358-1435V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	Y	RF
-1Y	358-1436V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	Z	RF

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
2 -1Z	358-1457V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	BA	RF
-1BA	358-1464V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	CA	RF
-1CA	358-1464V-1		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	DA	RF
-1DA	358-1469V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	EA	RF
-1EA	358-1475V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	FA	RF
-1FA	358-1480V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	GA	RF
-1GA	358-1488V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	HA	RF
-1HA	358-1492V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	JA	RF
-1JA	358-1495V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	KA	RF
-1KA	358-1497V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	LA	RF
-1LA	358-1500V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	MA	RF
-1MA	358-1508V		MASK & ASSY, QUIK-DON®, NARROW WITH VENT-VALVE	NA	RF
5	358-1059		• NAMEPLATE, TSO-C78		1
10	358-1459		• NAMEPLATE, TSO-C99		1
15	358-1002V		• MASK & SUSPENSION ASSY, QUIK-DON®, NARROW WITH VENT-VALVE (SEE IPL FIG. 5 FOR DETAIL PARTS)		1
20	232-235ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	A	1
-20A	232-893		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	B	1
-20B	232-1166ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	C	1
-20C	232-1201		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	D	1
-20D	232-1176ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	E	1

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
2 -20E	232-1223SMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	F	1
-20F	232-1227ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	G	1
-20G	232-1241		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	H	1
-20H	232-1244ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	J	1
-20J	232-1210ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	K	1
-20K	232-1248		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	L	1
-20L	232-1258		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	M	1
-20M	232-1274		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	N	1
-20N	232-1278		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 9 FOR DETAIL PARTS)	P	1
-20P	232-1155ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	Q	1
-20Q	232-1308		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	R	1
-20R	232-1300		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	S	1
-20S	232-1816		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	T	1
-20T	232-1320		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	U	1
-20U	232-1301		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	V	1
-20V	232-1323		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	W	1

- ITEM NOT ILLUSTRATED



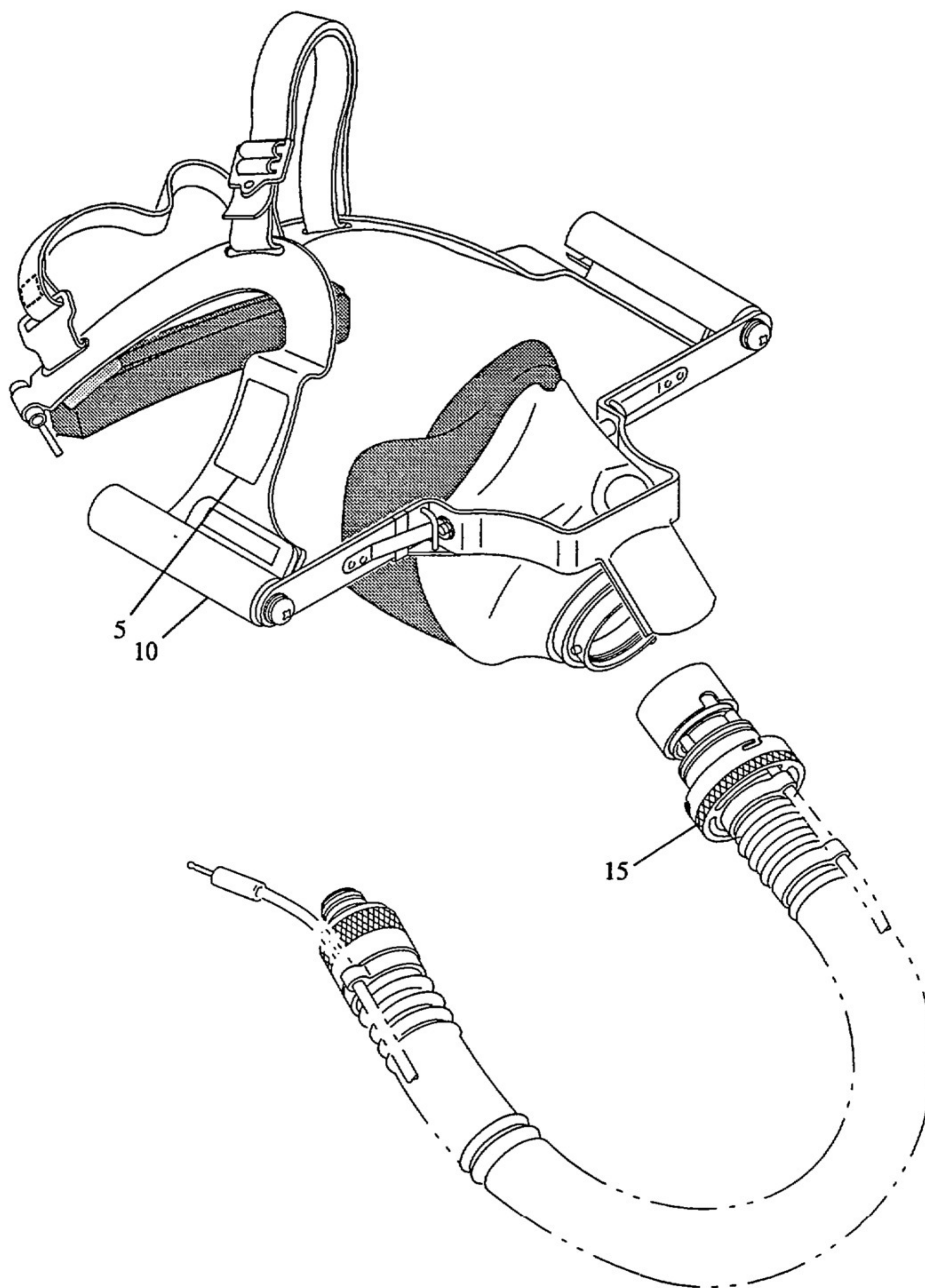
## PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
2 -20W	232-1818		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	X	1
-20X	232-1337		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	Y	1
-20Y	232-1820		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	Z	1
-20Z	232-1348		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	BA	1
-20BA	232-1111		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	CA	1
-20CA	232-1111-1		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	DA	1
-20DA	232-1352		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	EA	1
-20EA	232-1354		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	FA	1
-20FA	232-1358		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	GA	1
-20GA	232-1365		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	HA	1
-20HA	232-1367		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	JA	1
-20JA	232-1369		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	KA	1
-20KA	232-1370		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	LA	1
-20LA	232-1373		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	MA	1
-20MA	232-1374		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	NA	1

- ITEM NOT ILLUSTRATED



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Quik-Don® Crew Mask Assemblies (With Wide Cheek Flaps)  
IPL Figure 3



## PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
3 -1	358-680-1		MASK ASSY, QUIK-DON®, WIDE	A	RF
-1A	358-694-1		MASK ASSY, QUIK-DON®, WIDE	B	RF
-1B	358-851-1		MASK ASSY, QUIK-DON®, WIDE	C	RF
-1C	358-861-1		MASK ASSY, QUIK-DON®, WIDE	D	RF
-1D	358-863-1		MASK ASSY, QUIK-DON®, WIDE	E	RF
-1E	358-894		MASK ASSY, QUIK-DON®, WIDE	F	RF
-1F	358-1071-1		MASK ASSY, QUIK-DON®, WIDE	G	RF
-1G	358-1103-1		MASK ASSY, QUIK-DON®, WIDE	H	RF
-1H	358-1105-1		MASK ASSY, QUIK-DON®, WIDE	J	RF
-1J	358-1107-1		MASK ASSY, QUIK-DON®, WIDE	K	RF
-1K	358-1112-1		MASK ASSY, QUIK-DON®, WIDE	L	RF
-1L	358-1113-1		MASK ASSY, QUIK-DON®, WIDE	M	RF
-1M	358-1118-1		MASK ASSY, QUIK-DON®, WIDE	N	RF
-1N	358-1164-1		MASK ASSY, QUIK-DON®, WIDE	P	RF
-1P	358-1165-1		MASK ASSY, QUIK-DON®, WIDE	Q	RF
-1Q	358-1194-1		MASK ASSY, QUIK-DON®, WIDE	R	RF
-1R	358-1203-1		MASK ASSY, QUIK-DON®, WIDE	S	RF
-1S	358-1204-1		MASK ASSY, QUIK-DON®, WIDE	T	RF
-1T	358-1205-1		MASK ASSY, QUIK-DON®, WIDE	U	RF
-1U	358-1206-1		MASK ASSY, QUIK-DON®, WIDE	V	RF
-1V	358-1263-1		MASK ASSY, QUIK-DON®, WIDE	W	RF
-1W	358-1399		MASK ASSY, QUIK-DON®, WIDE	X	RF
-1X	358-1419-1		MASK ASSY, QUIK-DON®, WIDE	Y	RF
5	358-1059		• NAMEPLATE, TSO-C78		1
10	358-1030		• MASK & SUSPENSION ASSY, QUIK-DON®, WIDE (SEE IPL FIG. 5 FOR DETAIL PARTS)		1
15	232-321ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	A,V	1
-15A	232-794ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	B	1
-15B	232-791ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	C	1
-15C	232-828		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	D	1
-15D	232-799ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	E	1
-15E	232-1155ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	F, L	1

- ITEM NOT ILLUSTRATED



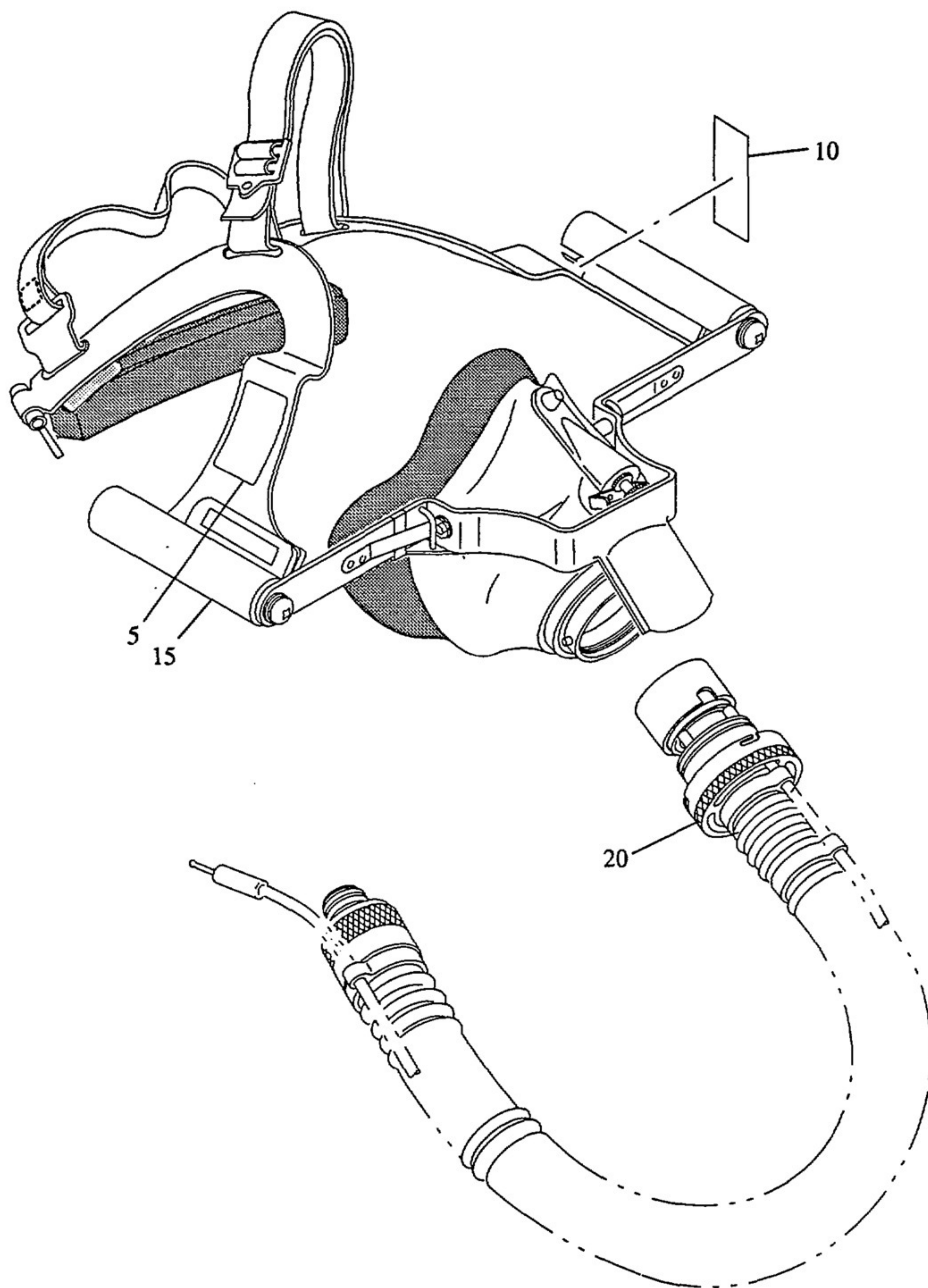
PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
3 -15F	232-825ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	G	1
-15G	232-1016ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	H	1
-15H	232-1018SMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	J	1
-15J	232-1122		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	K	1
-15K	232-1161ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	M	1
-15L	232-1173ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	N	1
-15M	232-403SMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	P	1
-15N	232-404SMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	Q	1
-15P	232-1281		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	R	1
-15Q	232-1186ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	S	1
-15R	232-388ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	T	1
-15S	232-1191ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	U	1
-15T	232-1328		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	V	1
-15U	232-1817-1		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	W	1
-15V	232-1307		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	X	1

- ITEM NOT ILLUSTRATED



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Quik-Don® Crew Mask Assemblies (With Wide Cheek Flaps and Vent-Valve)  
IPL Figure 4



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
4 -1	358-894V		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	A	RF
-1A	358-1050V-1		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	B	RF
-1B	358-1118V-1		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	C	RF
-1C	358-1164V-1		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	D	RF
-1D	358-1178V-2		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	E	RF
-1E	358-1180V-2		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	F	RF
-1F	358-1181V-2		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	G	RF
-1G	358-1203V-1		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	H	RF
-1H	358-1206V-1		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	J	RF
-1J	358-1406V		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	K	RF
-1K	358-1423V-1		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	L	RF
-1L	358-1429V-1		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	M	RF
-1M	358-1430V-1		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	N	RF
-1N	358-1433V-1		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	P	RF
-1P	358-1482V		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	Q	RF
-1Q	358-1484V		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	R	RF
-1R	358-1491V		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	S	RF
-1S	358-1498V		MASK ASSY, QUIK-DON®, WIDE WITH VENT-VALVE	T	RF
5	358-1059		• NAMEPLATE, TSO-C78		1
10	358-1459		• NAMEPLATE, TSO-C99		1
15	358-1030V		• MASK & SUSPENSION ASSY, QUIK-DON®, WIDE WITH VENT-VALVE (SEE IPL FIG. 5 FOR DETAIL PARTS)		1
20	232-1155ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	A, L	1

- ITEM NOT ILLUSTRATED



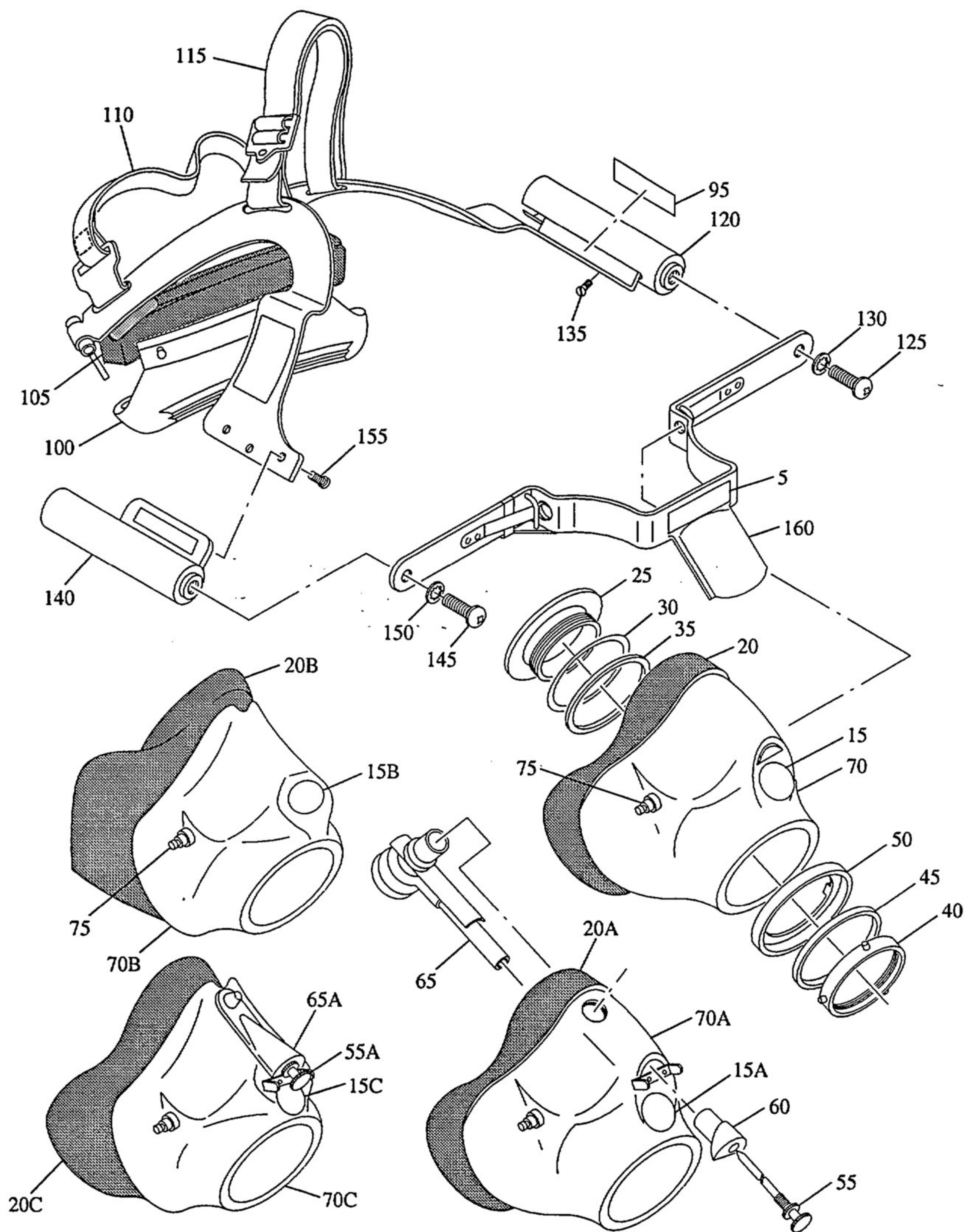
PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
4 -20A	232-1060ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	B	1
-20B	232-1173ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	C	1
-20C	232-403SMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	D	1
-20D	232-793		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	E	1
-20E	232-1260		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	F	1
-20F	232-1261		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	G	1
-20G	232-1186ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	H	1
-20H	232-321ILMB		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 6 FOR DETAIL PARTS)	J	1
-20J	232-1362		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	K	1
-20K	232-1326		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	M	1
-20L	232-1327		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	N	1
-20M	232-1817-2		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	P	1
-20N	232-1360		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 8 FOR DETAIL PARTS)	Q	1
-20P	232-1361		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	R	1
-20Q	232-1366		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	S	1
-20R	232-1371		• VALVE, HOSE & COMM ASSY (SEE IPL FIG. 7 FOR DETAIL PARTS)	T	1

- ITEM NOT ILLUSTRATED



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Mask & Suspension Assemblies  
IPL Figure 5



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
5 -1	358-1002		MASK & SUSPENSION ASSY, QUIK-DON®, NARROW (SEE IPL FIG. 1 FOR NHA)	A	RF
-1A	358-1002V		MASK & SUSPENSION ASSY, QUIK-DON®, NARROW WITH VENT-VALVE (SEE IPL FIG. 2 FOR NHA)	B	RF
-1B	358-1030		MASK & SUSPENSION ASSY, QUIK-DON®, WIDE (SEE IPL FIG. 3 FOR NHA)	C	RF
-1C	358-1030V		MASK & SUSPENSION ASSY, QUIK-DON®, WIDE WITH VENT-VALVE (SEE IPL FIG. 4 FOR NHA)	D	RF
5	358-649-14		• NAMEPLATE	A	1
-5A	358-649-20		• NAMEPLATE	B	1
-5B	358-649-5		• NAMEPLATE	C	1
-5C	358-649-28		• NAMEPLATE	D	1
-10	358-1213-2		• MASK & HARDSHELL ASSY	A	1
-10A	358-1211-1		• MASK, HARDSHELL & VALVE ASSY	B	1
-10B	358-1029		• MASK & HARDSHELL ASSY	C	1
-10C	358-1223-2		• MASK, HARDSHELL & VALVE ASSY	D	1
15	358-1228-6		• • NAMEPLATE	A	1
15A	358-1228-5		• • NAMEPLATE	B	1
15B	358-656-8		• • NAMEPLATE	C	1
15C	358-1228-2		• • NAMEPLATE	D	1
20	358-1025		• • FACEPIECE ASSY	A	1
20A	358-1389		• • FACEPIECE ASSY	B	1
20B	358-1037		• • FACEPIECE ASSY	C	1
20C	358-1227		• • FACEPIECE ASSY	D	1
25	232-204		ATTACHING PARTS		
-25A	358-15		• • NUT, RING RETAINING	A,B	1
30	232-475		• • NUT, RING RETAINING	C,D	1
-30A	358-14		• • GASKET	A,B	1
35	358-174		• • GASKET	C,D	1
			• • WASHER		1
			***		
40	232-203		• • RING, BAYONET		1
45	232-202		• • SLEEVE, COMPRESSION		1
50	358-13		• • SHIELD, LOCATING		1
55	358-1212		• • ROD ASSY	B	1
55A	358-1231		• • ROD ASSY	D	1

- ITEM NOT ILLUSTRATED



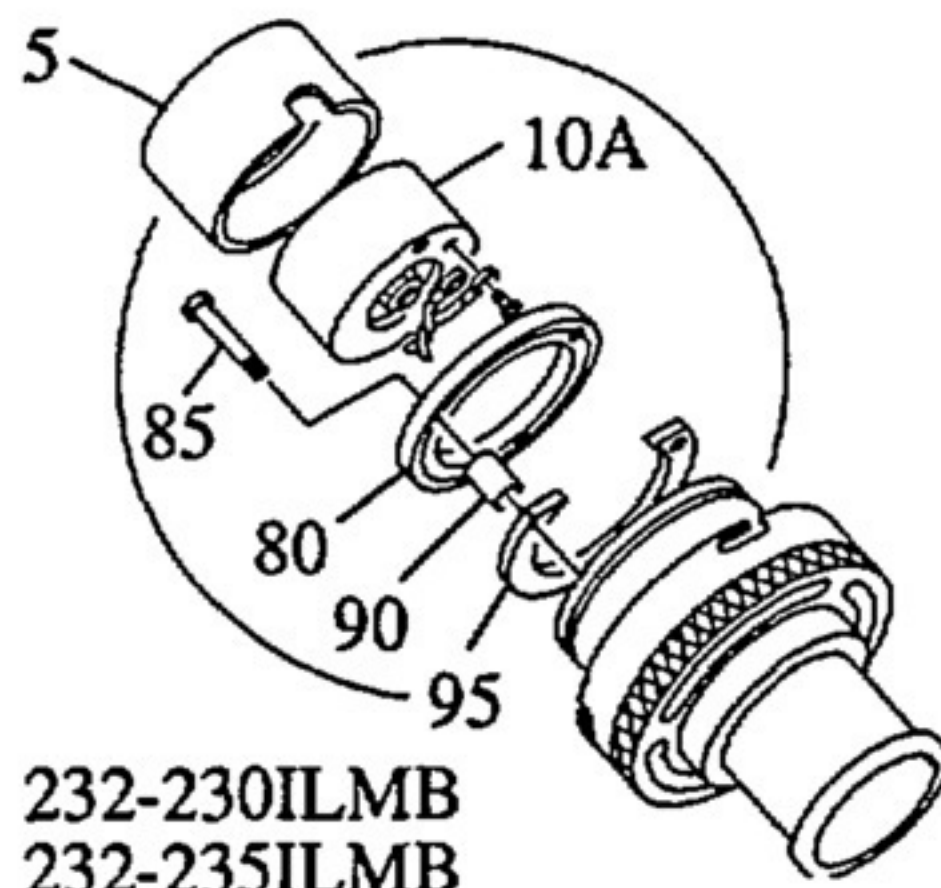
PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
5 60	358-1217		• • GUARD, VALVE (TYPE A)	B	1
65	358-1222		• • VALVE, GUIDE & STIFFENER ASSY	B	1
65A	358-1232-1		• • BODY, ANTI-SMOKE VALVE	D	1
70	358-1366-2		• • HARDSHELL ASSY	A	1
70A	358-1366-1		• • HARDSHELL ASSY	B	1
70B	358-1226-2		• • HARDSHELL ASSY	C	1
70C	358-1224-2		• • HARDSHELL ASSY	D	1
75	358-637		• • • PIVOT		2
			ATTACHING PARTS		
-80	00-3244		• • • SCREW, TRUSS HEAD, 6-32 x 1/4 LONG		1
-85	00-1903		• • • WASHER, FLAT * * *		1
-90	358-1005		• SUSPENSION ASSY		1
95	358-1023		• • NAMEPLATE		1
100	358-1074		• • COVER, NECK PAD		1
105	358-636		• • PAD, NECK		1
110	358-1015		• • STRAP ASSY, REAR		1
115	358-1013		• • STRAP ASSY, TOP		1
120	358-613-1		• • RETENTION ASSY, LH		1
			ATTACHING PARTS		
125	AN526C1032R5		• • SCREW, TRUSS HEAD		1
130	MS35333-39		• • WASHER, LOCK		1
135	00-681		• • SCREW, FLAT HEAD, 5-40 x 0.25 LONG * * *		3
140	358-613-2		• • RETENTION ASSY, RH		1
			ATTACHING PARTS		
145	AN526C1032R5		• • SCREW, TRUSS HEAD		1
150	MS35333-39		• • WASHER, LOCK		1
155	00-681		• • SCREW, FLAT HEAD, 5-40 x 0.25 LONG * * *		3
160	358-607		• • HANDLE ASSY, PIVOT		1
165	358-1017		• • BRACKET ASSY, SUSPENSION		1

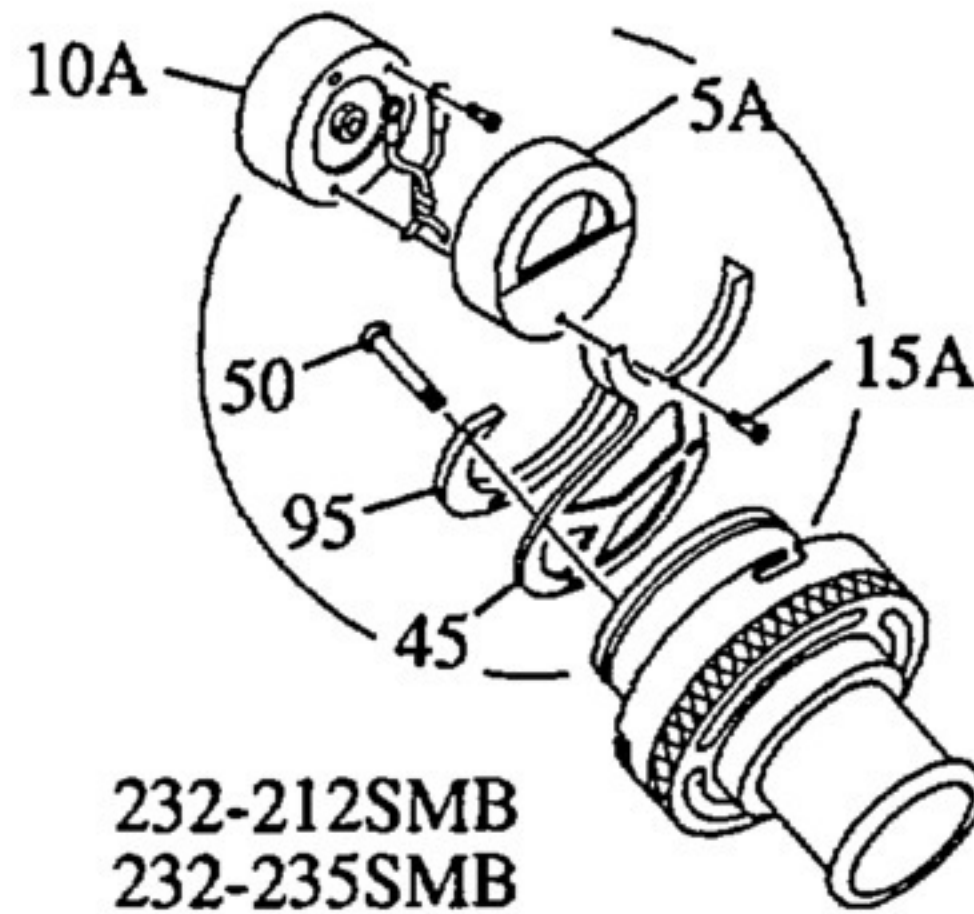
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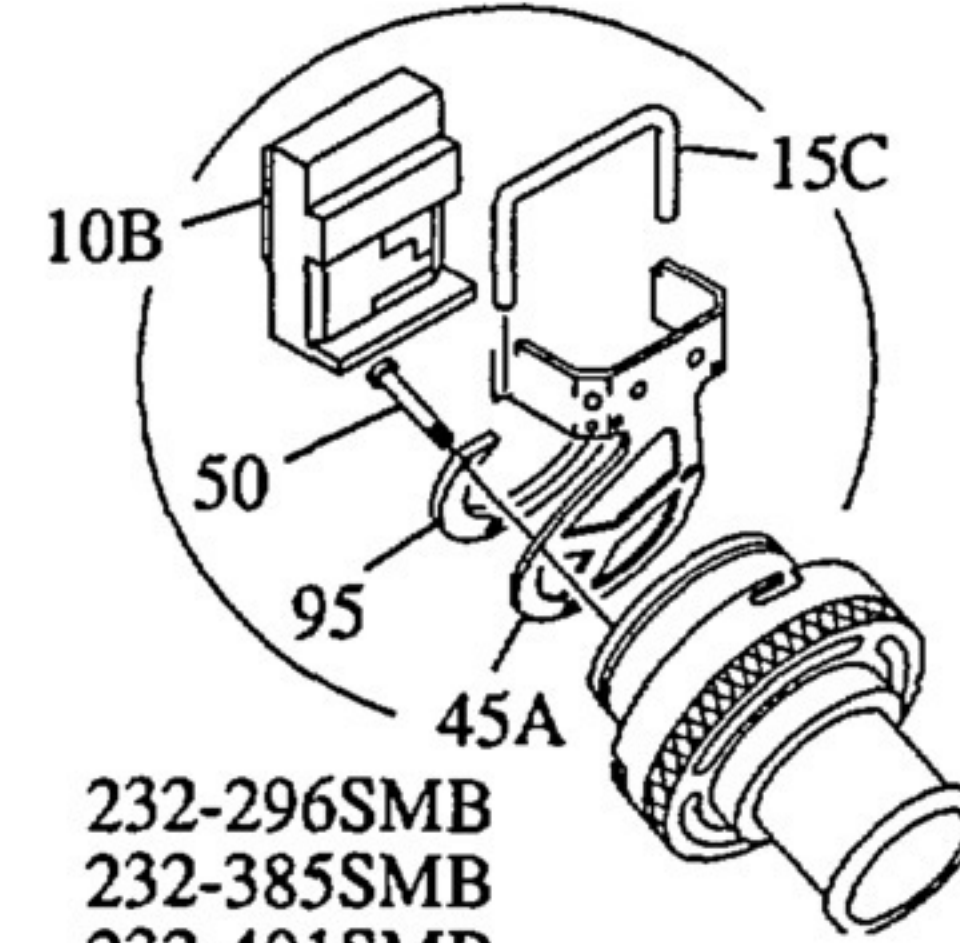
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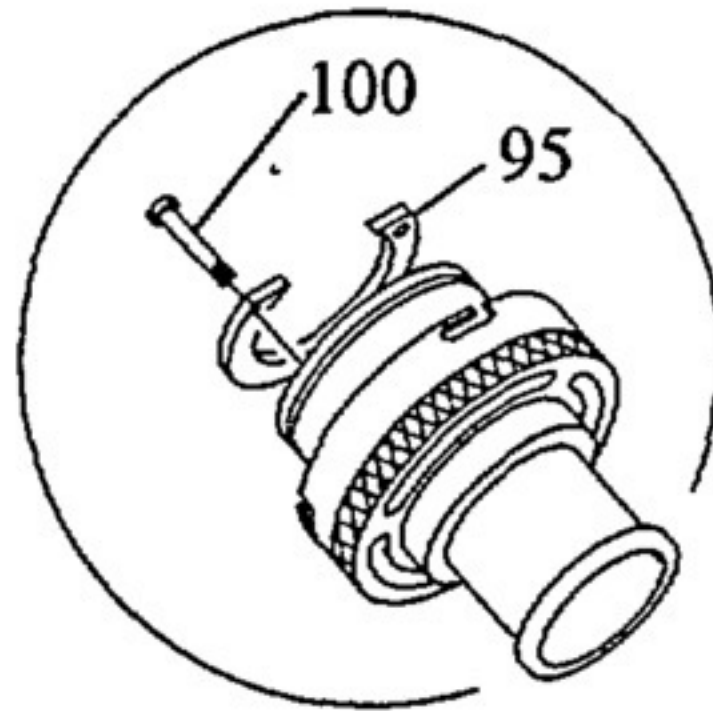
232-230ILMB  
232-235ILMB  
232-321ILMB  
232-388ILMB  
232-745ILMB  
232-791ILMB  
232-799ILMB  
232-1175ILMB  
232-1206  
232-1227ILMB  
232-1367



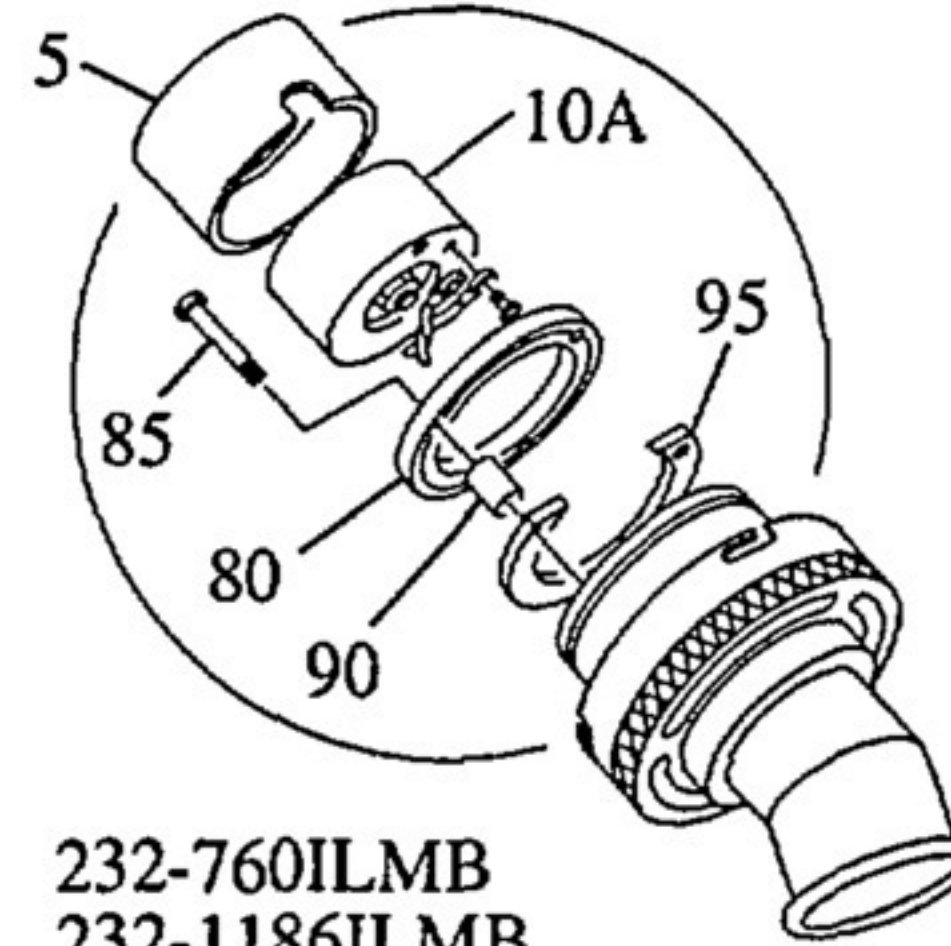
232-212SMB  
232-235SMB  
232-416SMB  
232-640SMB  
232-641SMB  
232-791SMB  
232-785SMB  
232-1217SMB  
232-1354  
232-1359  
(NO COVER)



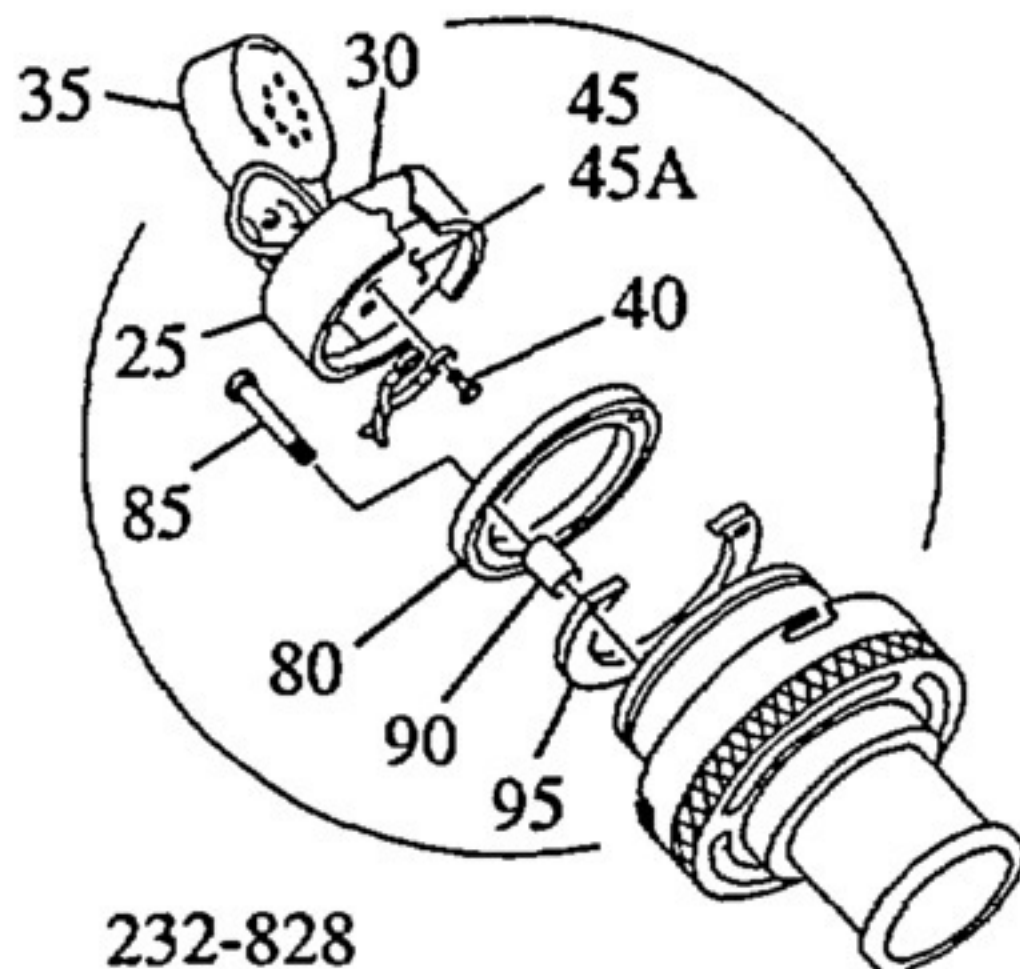
232-296SMB  
232-385SMB  
232-401SMB  
232-403SMB  
232-404SMB  
232-1017SMB



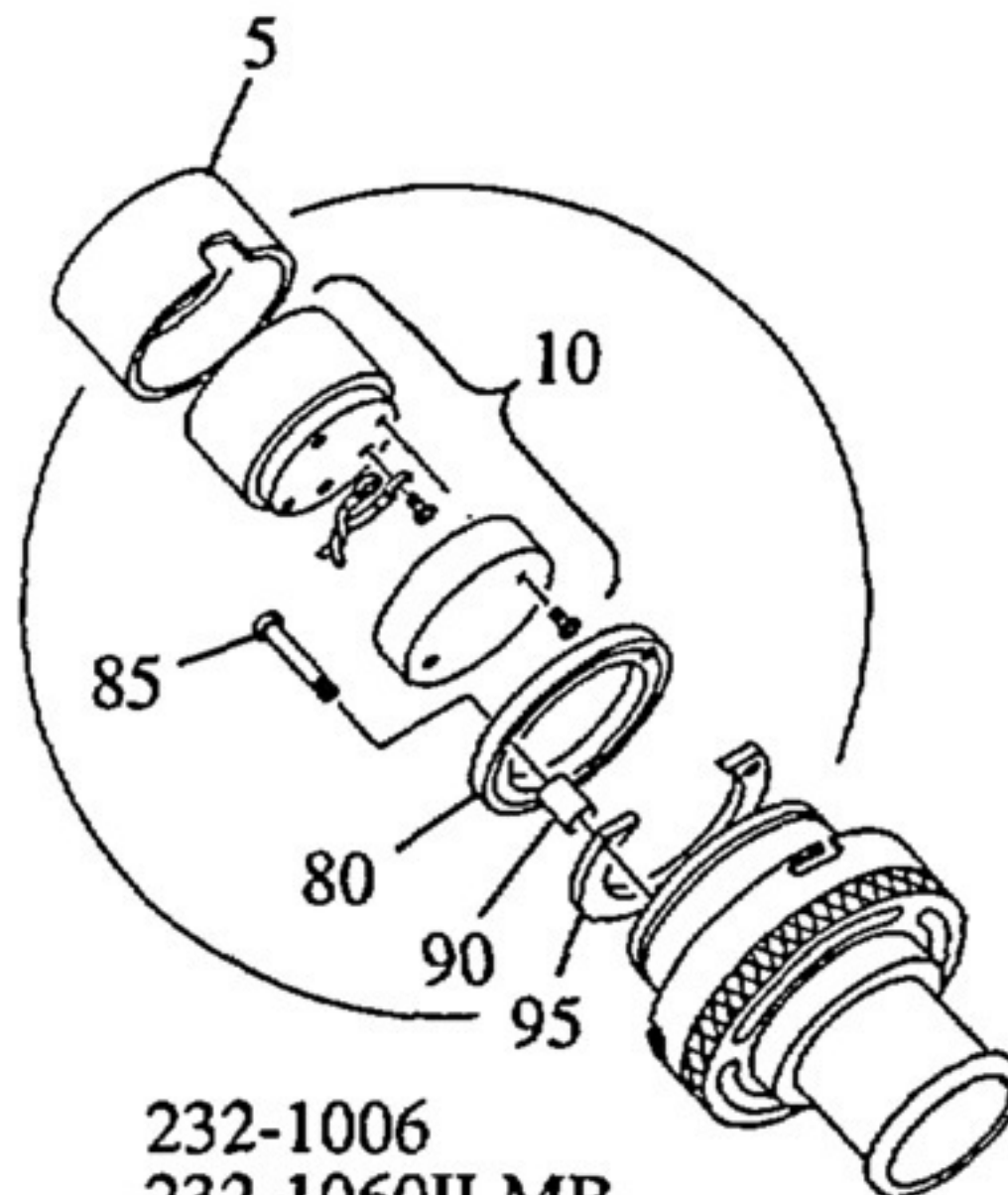
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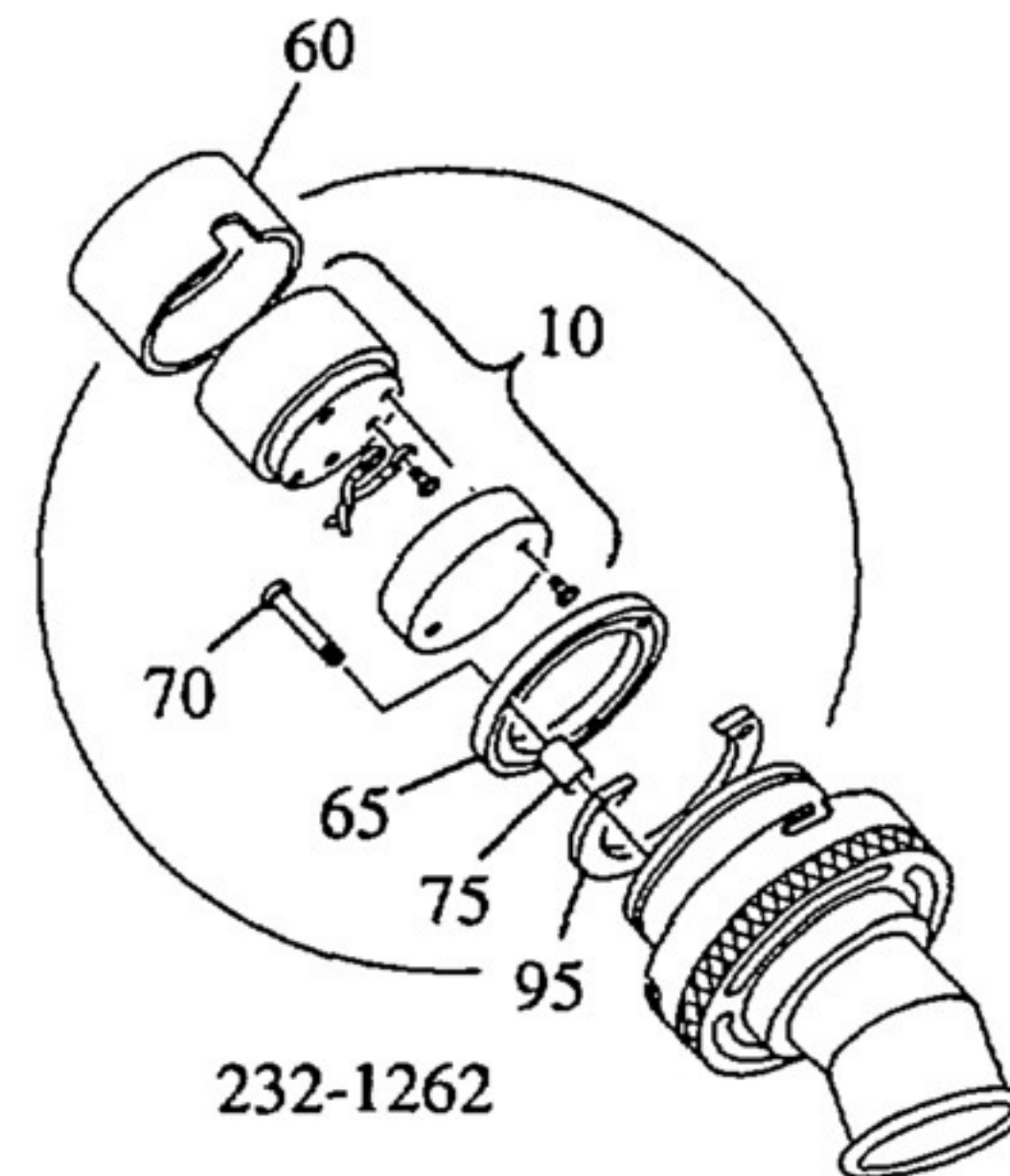
232-760ILMB  
232-1186ILMB



232-828  
232-1281



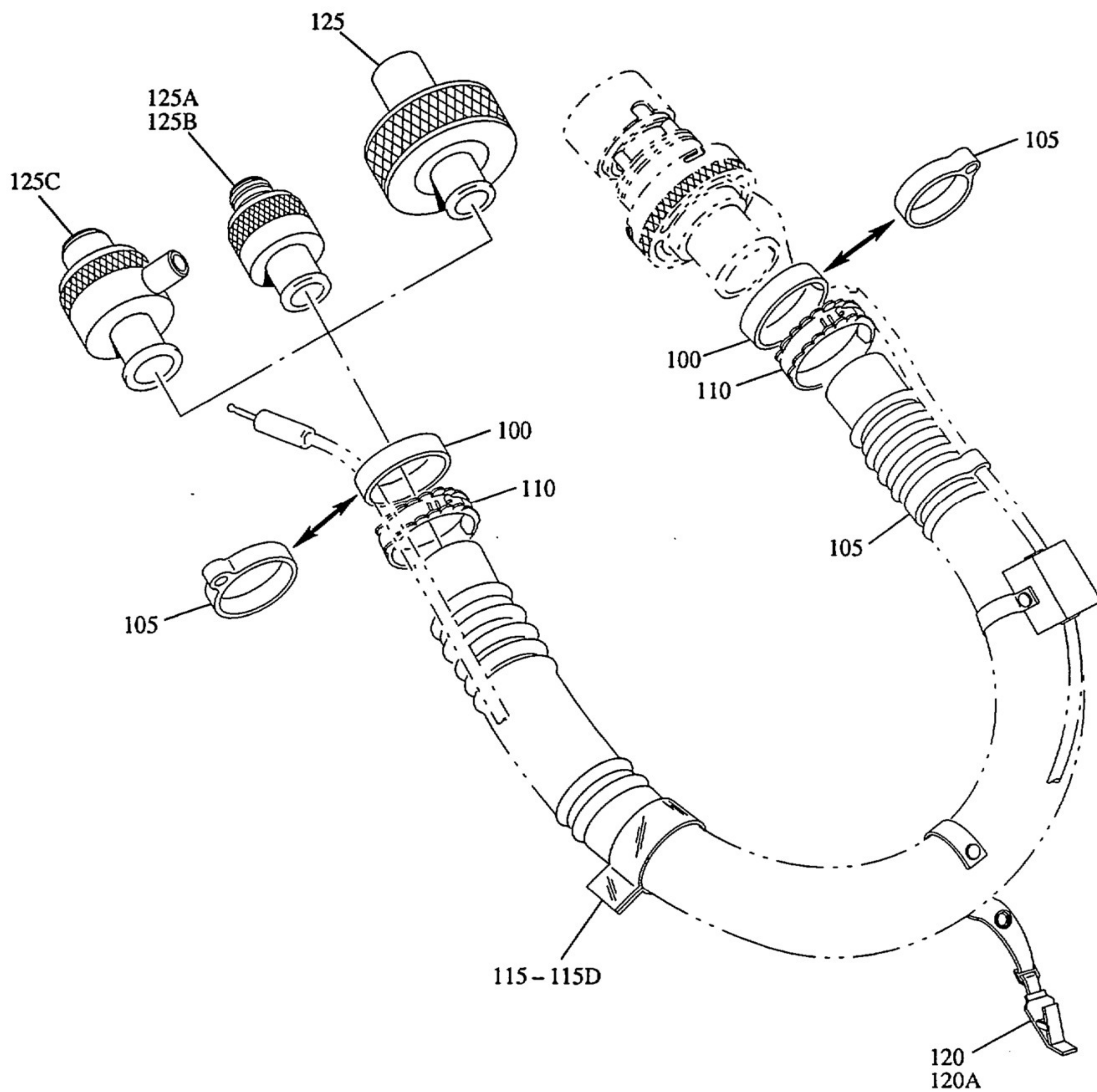
232-1006  
232-1060ILMB  
232-1173ILMB  
232-1318



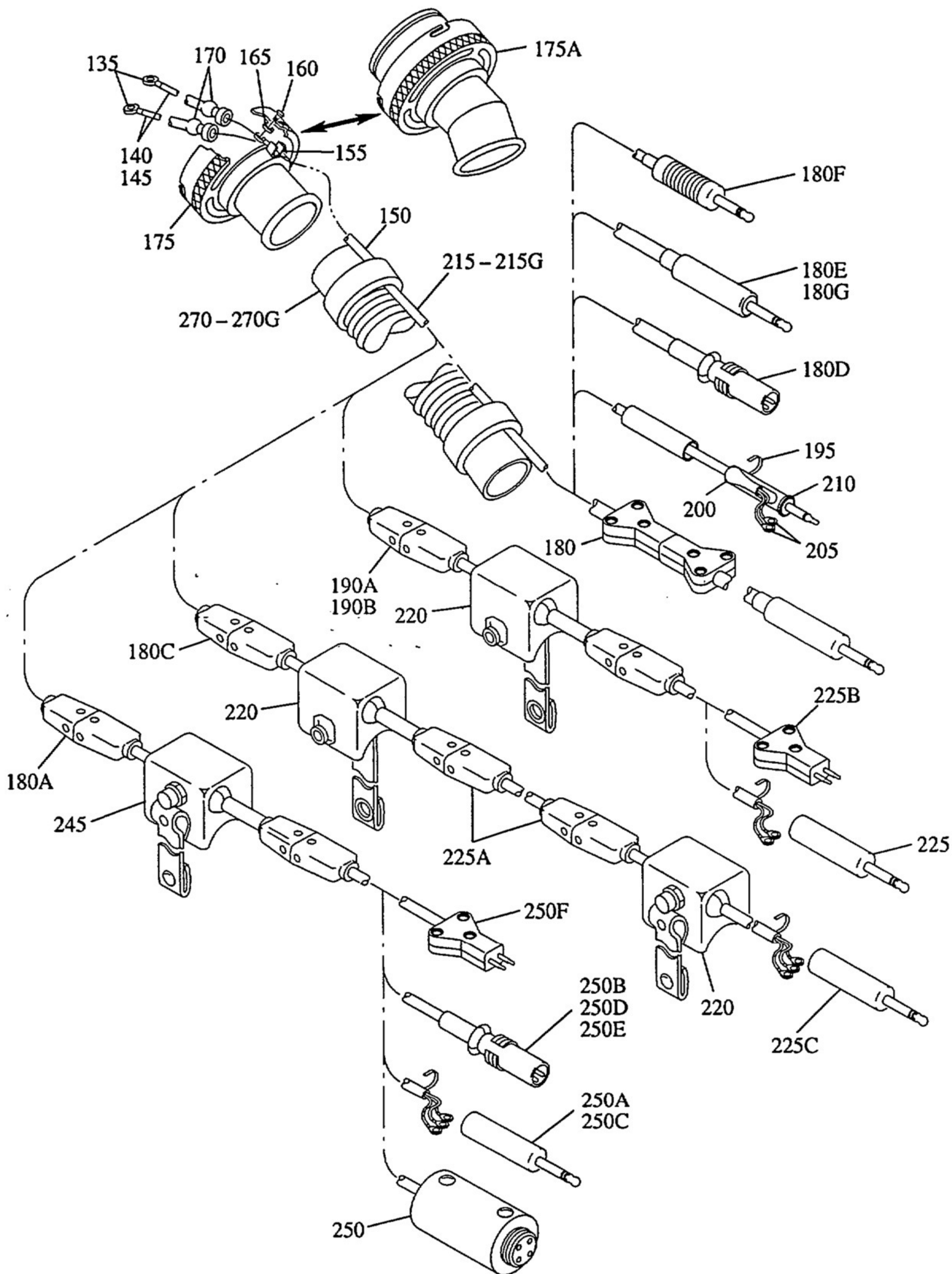
232-1262

Valve, Hose & Communications Assemblies  
(With Light Blue-Green, Nylon Covered Crushproof Hoses)  
IPL Figure 6 (Sheet 1 of 3)





Valve, Hose & Communications Assemblies  
(With Light Blue-Green, Nylon Covered Crushproof Hoses)  
IPL Figure 6 (Sheet 2)



Valve, Hose & Communications Assemblies  
(With Light Blue-Green, Nylon Covered Crushproof Hoses)  
IPL Figure 6 (Sheet 3)



**PARTS LIST**

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
6 -1	232-235ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIGS 1 AND 2 FOR NHA)	A	RF
-1A	232-235SMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	B	RF
-1B	232-321ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIGS. 1, 3 AND 4 FOR NHA)	C	RF
-1C	232-388ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 3 FOR NHA)	D	RF
-1D	232-403SMB		VALVE, HOSE & COMM ASSY (SEE IPL FIGS. 3 AND 4 FOR NHA)	E	RF
-1E	232-404SMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 3 FOR NHA)	F	RF
-1F	232-745ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	G	RF
-1G	232-760ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	H	RF
-1H	232-785SMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	J	RF
-1J	232-791ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 3 FOR NHA)	K	RF
-1K	232-799ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 3 FOR NHA)	L	RF
-1L	232-828		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 3 FOR NHA)	M	RF
-1M	232-1006		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	N	RF
-1N	232-1017SMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	P	RF
-1P	232-1060ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 4 FOR NHA)	Q	RF
-1Q	232-1173ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIGS. 3 AND 4 FOR NHA)	R	RF
-1R	232-1175ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	S	RF
-1S	232-1186ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIGS. 3 AND 4 FOR NHA)	T	RF
-1T	232-1206		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	U	RF
-1U	232-1227ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	V	RF
-1V	232-1262		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	W	RF

- ITEM NOT ILLUSTRATED



**PARTS LIST**

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
6 -1W	232-1281		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 3 FOR NHA)	X	RF
-1X	232-1318		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	Y	RF
-1Y	322-1354		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	Z	RF
-1Z	232-1359		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	BA	RF
-1BA	232-1367		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	CA	RF
5	232-662		• COVER, MICROPHONE	A,C,D,G,H, K,L,N,Q,U, V,Y,CA	1
5A	232-439		• COVER, MICROPHONE	B,J	1
10	232-270		• MICROPHONE, DYNAMIC, 5 OHMS, TYPE M-94/A	N,Q,W,Y,Z	1
10A	232-274		• MICROPHONE, CARBON 100 OHMS, TYPE ANB-M-C1	A,B,C,D,S,T, U,V,BA,CA	1
10B	00-779		• MICROPHONE, DYNAMIC, 250 OHMS	E,F,P	1
15	00-650		ATTACHING PARTS		
15A	00-1074		• SCREW, NYLON	Z,BA	2
15B	358-34		• SCREW, NYLON	B,J	1
			• CLIP, RETAINER	E,F,P,X	1
			***		
-20	232-685		• MICROPHONE ASSY, DYNAMIC	M,X	1
25	232-662		• • COVER, MICROPHONE	M,X	1
30	232-702		• • GASKET, SPACER	M,X	1
35	00-3682		• • MICROPHONE ASSY, DYNAMIC, TYPE M-94A/A	M,X	1
40	AN500D2-5		ATTACHING PART		
			• • SCREW, FILLISTER HEAD	M,X	1
			***		
45	232-32		• BRACKET, MICROPHONE	B,J,Z,BA	1
45A	358-28		• BRACKET, MICROPHONE	E,F,P	1
50	00-668		ATTACHING PARTS		
			• SCREW	B,E,F,J,P,Z, BA	1
			***		

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
6 -55	232-658B		• BRACKET KIT, RING MICROPHONE	W	1
60	232-662		• • COVER, MICROPHONE	W	1
65	232-659		• • RING, MICROPHONE HOUSING	W	1
70	AN510C1-8		ATTACHING PARTS • • SCREW, FLAT HEAD * * *	W	3
75	232-667		• • SPACER, RING	W	3
80	232-659		• RING, MICROPHONE HOUSING	A,C,D,G,H, K,L,M,N,Q, R,S,T,U,V,X, Y,CA	1
85	AN510C10-8		ATTACHING PARTS • SCREW, FLAT HEAD  * * *	A,C,D,G,H, K,L,M,N,Q, R,S,T,U,V,X, Y,CA	3
90	232-667		• SPACER, RING	A,C,D,G,H, K,L,M,N,Q, R,S,T,U,V,X, Y,CA	3
95	232-115		• NAMEPLATE	A-BA	1
100	249-315		• RUBBERBAND	CA	2
105	00-639		• GUIDE, CABLE		3
110	MS22064-5		• CLAMP, HOSE	D	2
115	232-420-2		• TAG, IDENTIFICATION	E	1
115A	232-420-5		• TAG, IDENTIFICATION	F	1
115B	232-420-6		• TAG, IDENTIFICATION	G	1
115C	232-420-12		• TAG, IDENTIFICATION	K	1
115D	232-420-15		• TAG, IDENTIFICATION	A,B,C,D,E,F, G,J,L,N,P,S, T,U,V,W,X, Y,Z,CA,BA M	1
120	232-218-2		• CLIP ASSY,CLOTHING		1
120A	232-218-3		• CLIP ASSY, CLOTHING	H,P,U,Z	1
125	232-215		• DISCONNECT ASSY	A,J,K,N,Q, R,T,V,W, BA,CA	1
125A	232-94A		• DISCONNECT ASSY	B,G	1
125B	232-94		• DISCONNECT ASSY	C,D,E,F,M, S,X,Y	1
125C	232-246		• DISCONNECT ASSY		1

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
6 -130	232-275-2		• VALVE, CABLE & PLUG ASSY	A	1
-130A	232-275-1		• VALVE, CABLE & PLUG ASSY	B	1
-130B	232-276		• VALVE, CABLE & PLUG ASSY	C	1
-130C	232-452		• VALVE, CABLE & PLUG ASSY	E	1
-130D	232-413-2		• VALVE, CABLE & PLUG ASSY	D,G,K,S	1
-130E	232-459-2		• VALVE, CABLE & PLUG ASSY	F	1
-130F	232-761		• VALVE, CABLE & PLUG ASSY	H	1
-130G	232-430		• VALVE, CABLE & PLUG ASSY	J	1
-130H	232-840-1		• VALVE, CABLE & PLUG ASSY	L	1
-130J	232-162-4		• VALVE, CABLE & PLUG ASSY	M	1
-130K	232-1007		• VALVE, CABLE & PLUG ASSY	N	1
-130L	232-1028		• VALVE, CABLE & PLUG ASSY	P	1
-130M	232-1061		• VALVE, CABLE & PLUG ASSY	Q	1
-130N	232-1174		• VALVE, CABLE & PLUG ASSY	R	1
-130P	232-1187		• VALVE, CABLE & PLUG ASSY	T	1
-130Q	232-1207		• VALVE, CABLE & PLUG ASSY	U	1
-130R	232-1228		• VALVE, CABLE & PLUG ASSY	V	1
-130S	232-1265		• VALVE, CABLE & PLUG ASSY	W	1
-130T	232-XXXX		• VALVE, CABLE & PLUG ASSY	X	1
-130U	232-1142		• VALVE, CABLE & PLUG ASSY	Y	1
-130V	232-XXXX		• VALVE, CABLE & PLUG ASSY	Z	1
-130W	232-XXXX		• VALVE, CABLE & PLUG ASSY	BA	1
-130X	232-XXXX		• VALVE, CABLE & PLUG ASSY	CA	1
135	MS25036-43		• • TERMINAL, LUG	A,B,C,D,G, H,J,L,M,N, Q-CA	2
140	00-2329		• • TUBING, SHRINK, BLACK, 0.120 ID	A,B,C,D,F, G,H,J,K,P, Q,R,S,U,V, W,Y,Z,BA, CA	AR
145	232-309		• • SLEEVE, INSULATION	L,N,T	AR
150	00-2409		• • TUBING, SHRINK, BLACK, 0.187 ID		AR
155	00-1081		• • TERMINAL, LUG, STRAIN RELIEF		1
160	MS35206-201		ATTACHING PARTS • • SCREW, ROUND HEAD		1
165	MS35333-35		• • WASHER, LOCK * * *		1
170	232-1119		• • INSERT, ELASTOMER	A,B,C,D,E, F,G,J,K,L, M,P,Q,R,S, T,U,V, W,Y,Z,BA, CA	1

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
6 175	211-165		• • VALVE ASSY, BREATHING	A,B,C,D,E,F, G,J,K,L,M, N,P,Q,R,S,U, V-CA	1
175A	211-270		• • VALVE ASSY, BREATHING	H,T	1
180	232-272		• • CABLE & PLUG ASSY	BA	1
180A	232-XXX		• • CABLE & PLUG ASSY	D,G,K,P,S	1
180B	232-XXX		• • CABLE & PLUG ASSY	E	1
180C	232-XXX		• • CABLE & PLUG ASSY	F	1
180D	232-161-4		• • CABLE & PLUG ASSY (W/BUILT-IN PRE-AMP)	M	1
180E	232-XXX		• • CABLE & PLUG ASSY	N	1
180F	00-3689		• • CABLE & PLUG ASSY	Q,R,Y,Z	1
-185	00-642		• • • PLUG, ELECTRICAL, TYPE PJ-292 (ORDER NHA)	BA	RF
-185A	00-850		• • • PLUG, ELECTRICAL, TYPE U-173/U (ORDER NHA)	D,E,F,G,K, P,S	RF
-185B	00-1686		• • • PLUG, ELECTRICAL, TYPE U-174/U (ORDER NHA)	N	RF
-190	00-4637		• • • CABLE, MIL-C-10392, 2 COND (ORDER NHA)	D,F,G,K,P,S, BA	RF
-190A	00-4335		• • • CABLE, 2 COND (ORDER NHA)	E	RF
-190B	232-1008		• • • CABLE, 2 COND (ORDER NHA)	N	RF
195	00-1072		• • CRIMP, STRAIN RELIEF	C,H,J,L,T,U, V,W,X	1
200	520-324-1		• • BUSHING, CABLE	V,W,X	1
205	MS25036-43		• • TERMINAL, LUG	A,B,C,H,J,L, T,U,V,W,X, CA	2
210	00-652		• • PLUG, ELECTRICAL, TYPE PJ-068	A,B,C,H,J,L, T,U,V,W,X, CA	1
215	232-237-2		• • CABLE, MICROPHONE	A	1
215A	232-237-1		• • CABLE, MICROPHONE	B	1
215B	232-206		• • CABLE, MICROPHONE	C	1
215C	232-762		• • CABLE, MICROPHONE	H	1
215D	232-480		• • CABLE, MICROPHONE	J	1
215E	232-839		• • CABLE, MICROPHONE	L	1
215F	00-4637		• • CABLE, MICROPHONE	T,V,W,X,CA	AR
215G	00-4335		• • CABLE, MICROPHONE	U	AR
220	232-445		• PRE-AMP ASSEMBLY	E,F,P	1

- ITEM NOT ILLUSTRATED



**PARTS LIST**

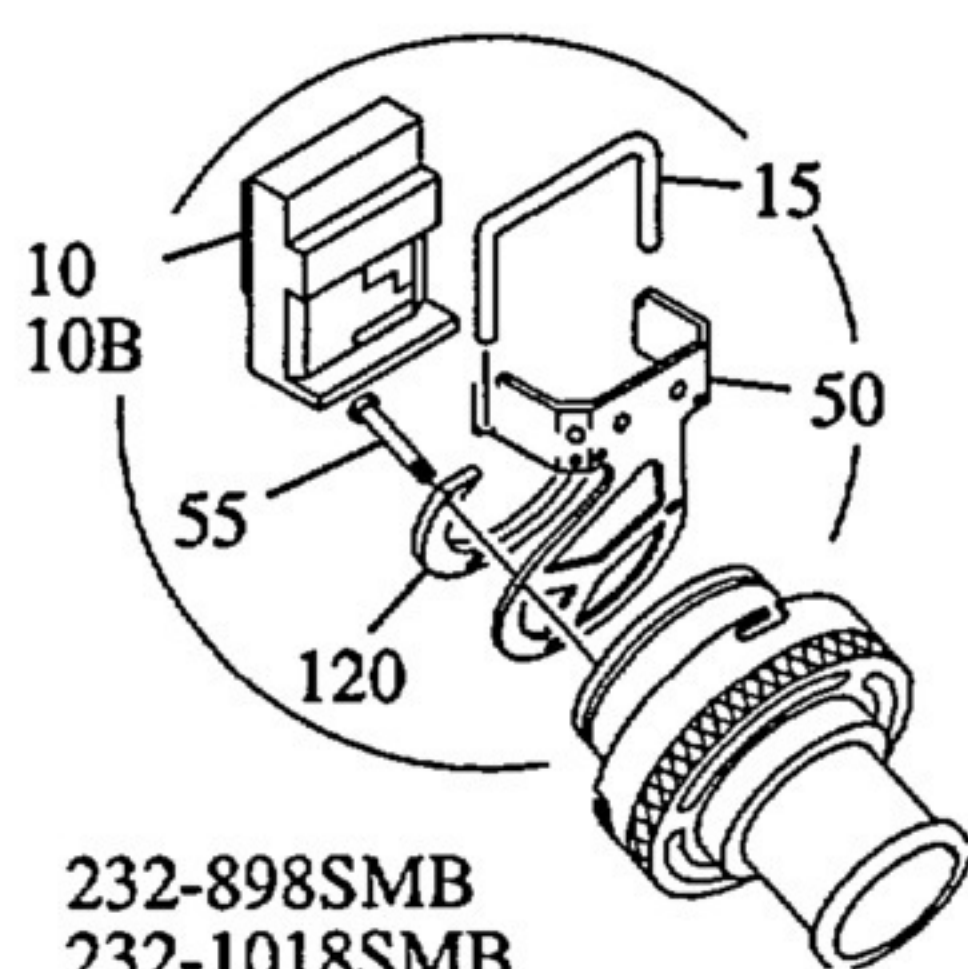
FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
6 225	232-446		• CABLE & PLUG ASSY	E	1
225A	232-468		• CABLE & PLUG ASSY	F	1
225B	232-1029		• CABLE & PLUG ASSY	P	1
-230	00-961		• • PLUG, ELECTRICAL, TYPE U-172/U (ORDER NHA)	E,F,P	RF
-235	00-652		• • PLUG, ELECTRICAL, TYPE PJ-068 (ORDER NHA)	E	RF
-235A	00-850		• • PLUG, ELECTRICAL, TYPE U-173/U (ORDER NHA)	F	RF
-235B	00-642		• • PLUG, ELECTRICAL, TYPE PJ-292 (ORDER NHA)	P	RF
-240	232-450		• • CABLE, 2 COND (ORDER NHA)	E	RF
-240A	232-471		• • CABLE, 2 COND (ORDER NHA)	F	RF
-240B	232-1034		• • CABLE, 2 COND (ORDER NHA)	P	RF
245	232-253		• SWITCH ASSY, PRESS-TO-TALK	D,F,G,K,S	1
250	232-454		• CABLE & PLUG ASSY	D,F	1
250A	232-747		• CABLE & PLUG ASSY	G	1
250B	232-813		• CABLE & PLUG ASSY	K	1
250C	232-414-1		• CABLE & PLUG ASSY	S	1
-255	XXXX-XX		• • PLUG, ELECTRICAL	D,F,G,K,S	RF
-260	00-652		• • PLUG, ELECTRICAL, TYPE PJ-068 (ORDER NHA)	D,F,G	RF
-260A	00-953		• • PLUG, ELECTRICAL (ORDER NHA)	K,S	RF
-265	232-460		• • CABLE, 3 COND (ORDER NHA)	D,F	RF
-265A	232-415		• • CABLE, 4 COND (ORDER NHA)	S	RF
-265B	232-748		• • CABLE, 3 COND (ORDER NHA)	G	RF
-265C	232-814		• • CABLE, 4 COND (ORDER NHA)	K	RF
270	232-279		• HOSE, NYLON COVERED, NON-CRUSH VINYL, 66 INCHES LONG	C,D,E,F,Q, S,Y,Z	1
270A	232-46		• HOSE, NYLON COVERED, NON-CRUSH VINYL, 60 INCHES LONG	A,B,G,H	1
270B	232-481		• HOSE, NYLON COVERED, NON-CRUSH VINYL, 120 INCHES LONG	J	1
270C	232-45		• HOSE, NYLON COVERED, NON-CRUSH VINYL, 42 INCHES LONG	K,W,BA	1

- ITEM NOT ILLUSTRATED

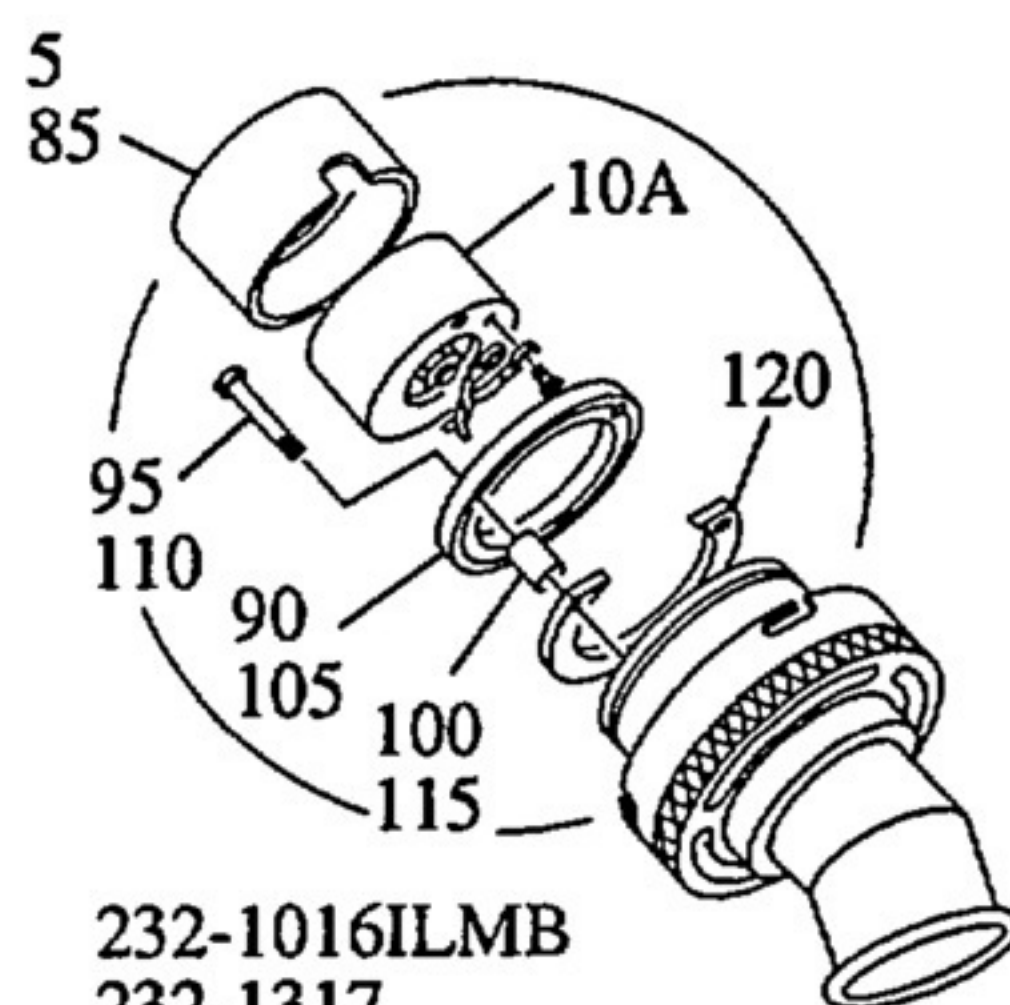


PARTS LIST

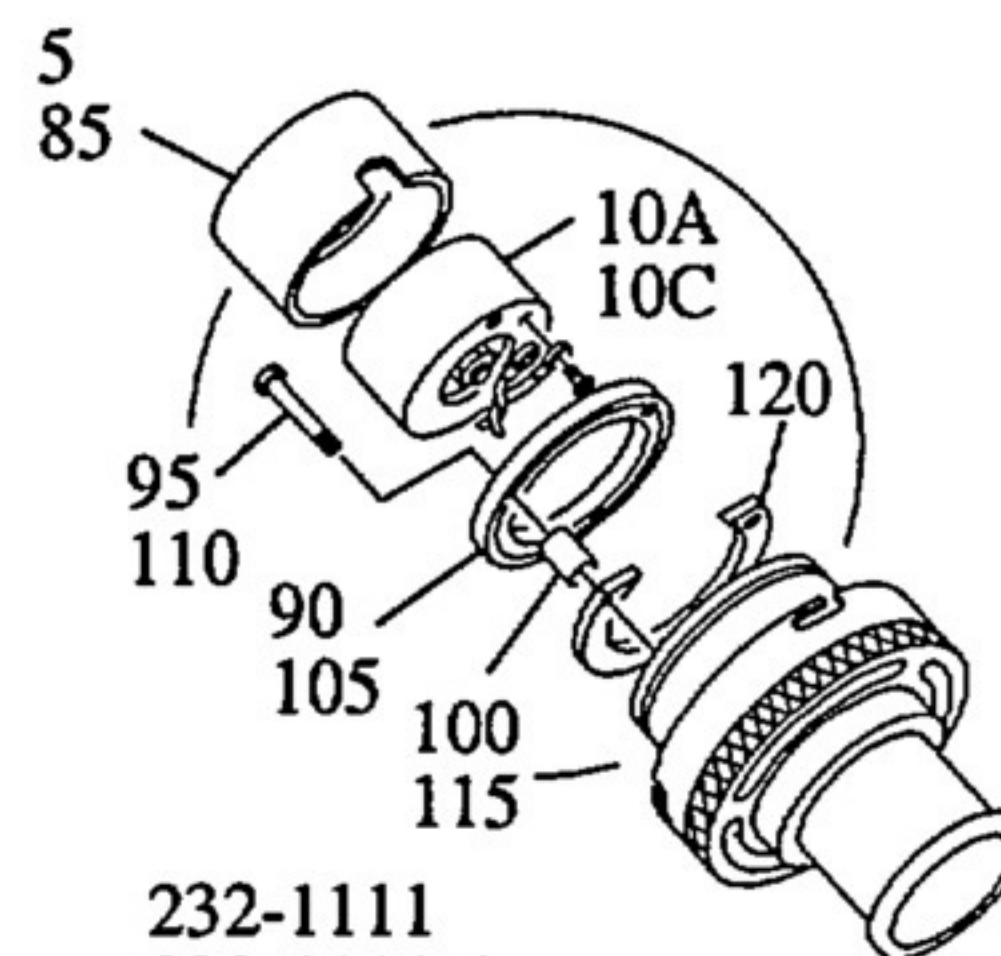
FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
6 270D	232-283		• HOSE, NYLON COVERED, NON-CRUSH VINYL, 72 INCHES LONG	L,P	1
270E	232-141		• HOSE, NYLON COVERED, NON-CRUSH VINYL, 48 INCHES LONG	M,N,T,U,V, X	1
270F	232-861		• HOSE, NYLON COVERED, NON-CRUSH VINYL, 19 INCHES LONG	R	1
270G	232-617		• HOSE, NYLON COVERED, NON-CRUSH VINYL, 12 INCHES LONG	CA	1



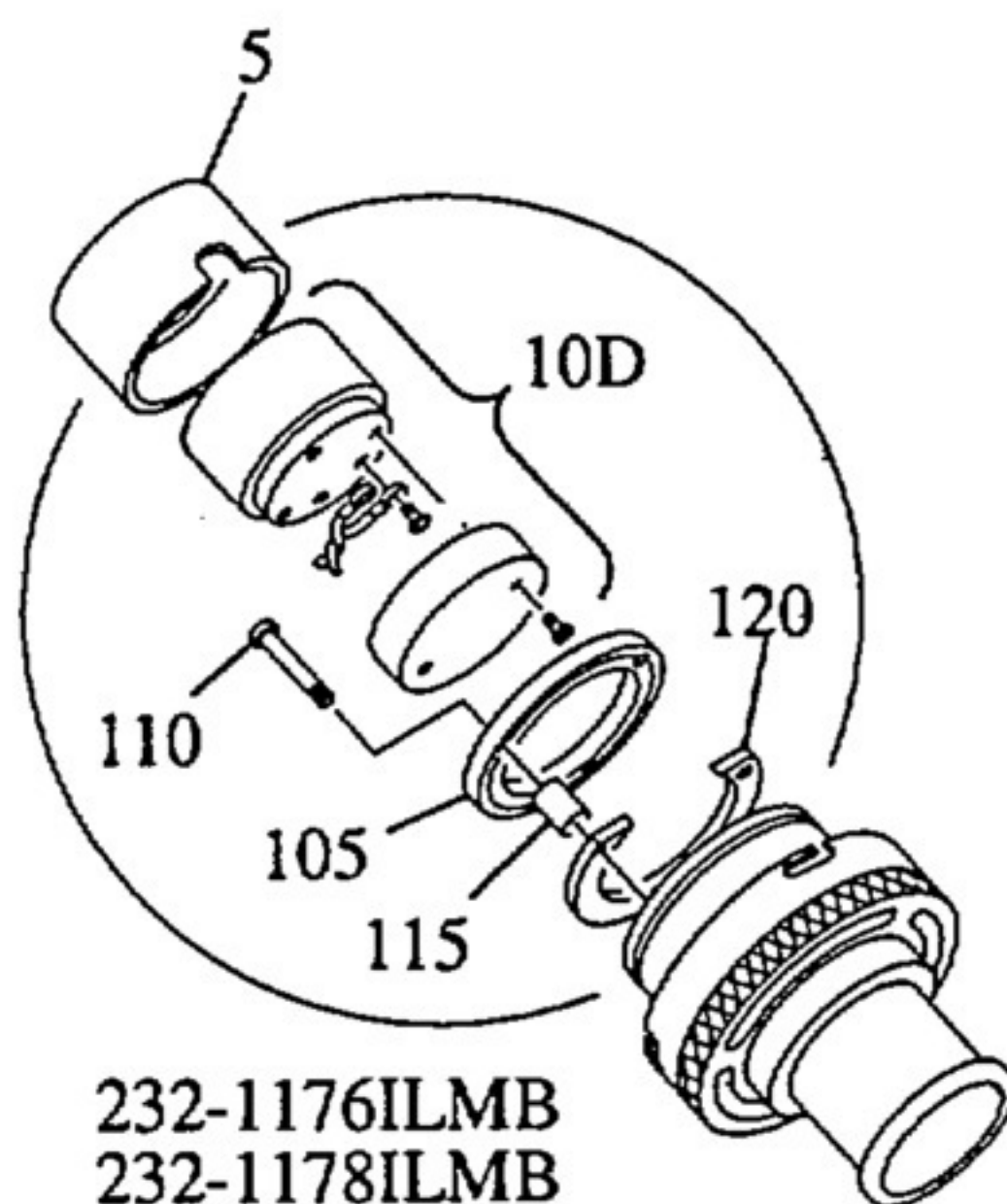
232-898SMB  
232-1018SMB  
232-1339-1  
232-1339-2



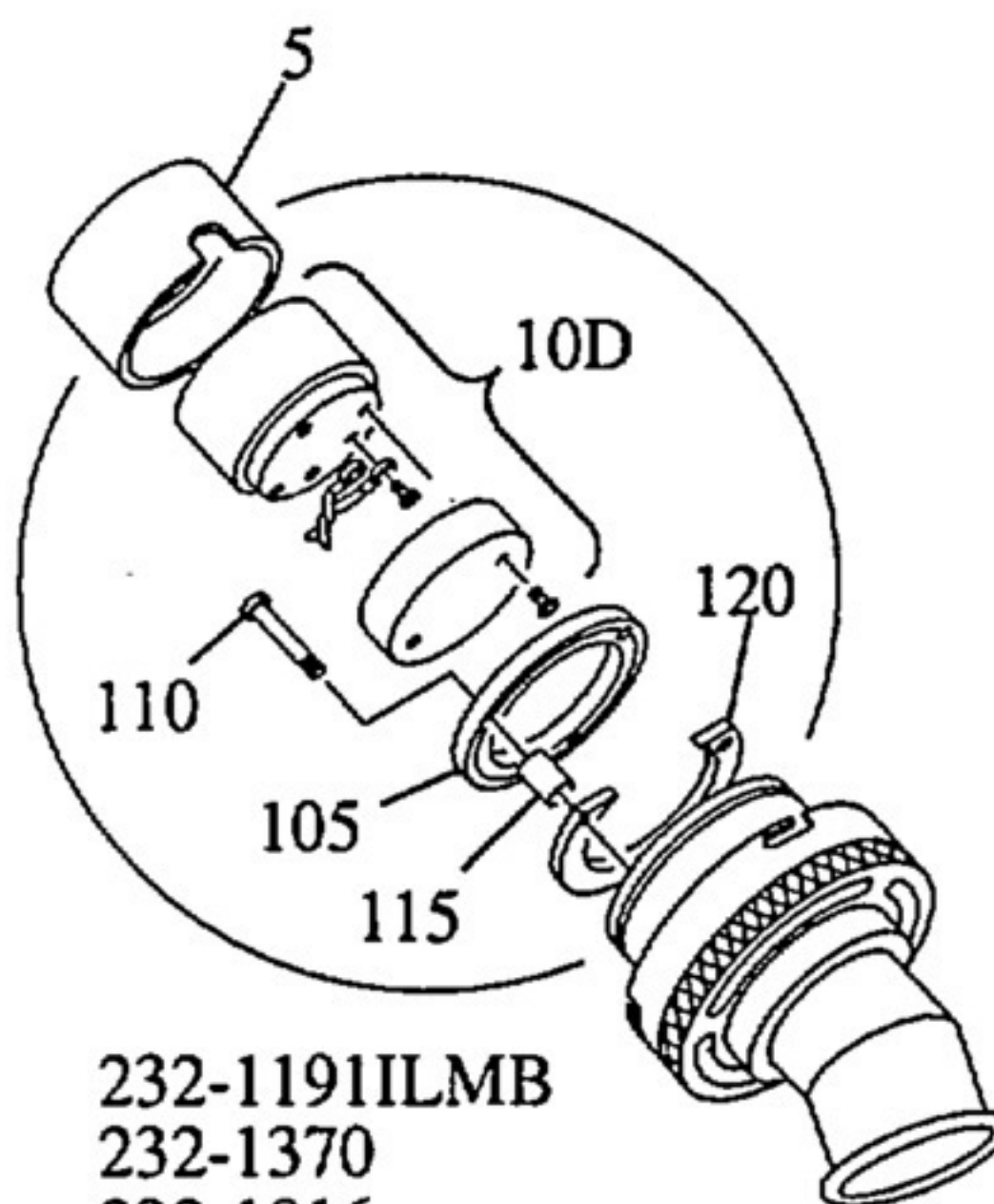
232-1016ILMB  
232-1317  
232-1320  
232-1369



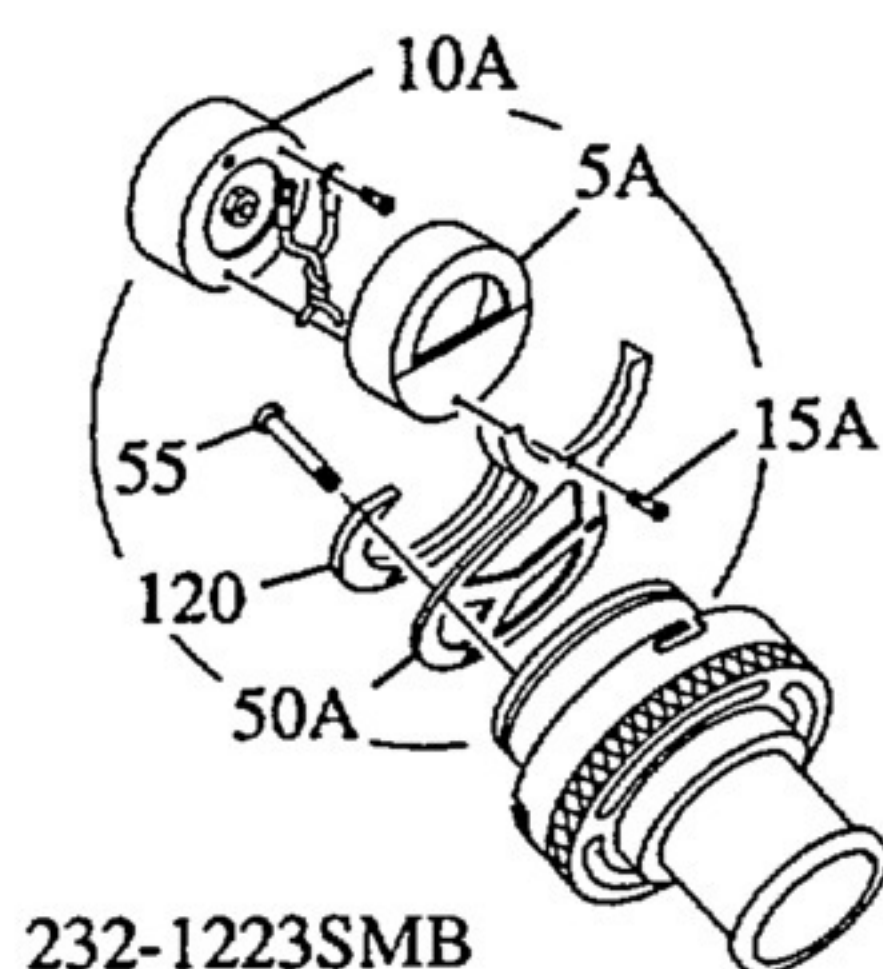
232-1111  
232-1111-1  
232-1159ILMB  
232-1161ILMB  
232-1169ILMB  
232-1248  
232-1258  
232-1260  
232-1261  
232-1323  
232-1326  
232-1327  
232-1348  
232-1358  
232-1361  
232-1366



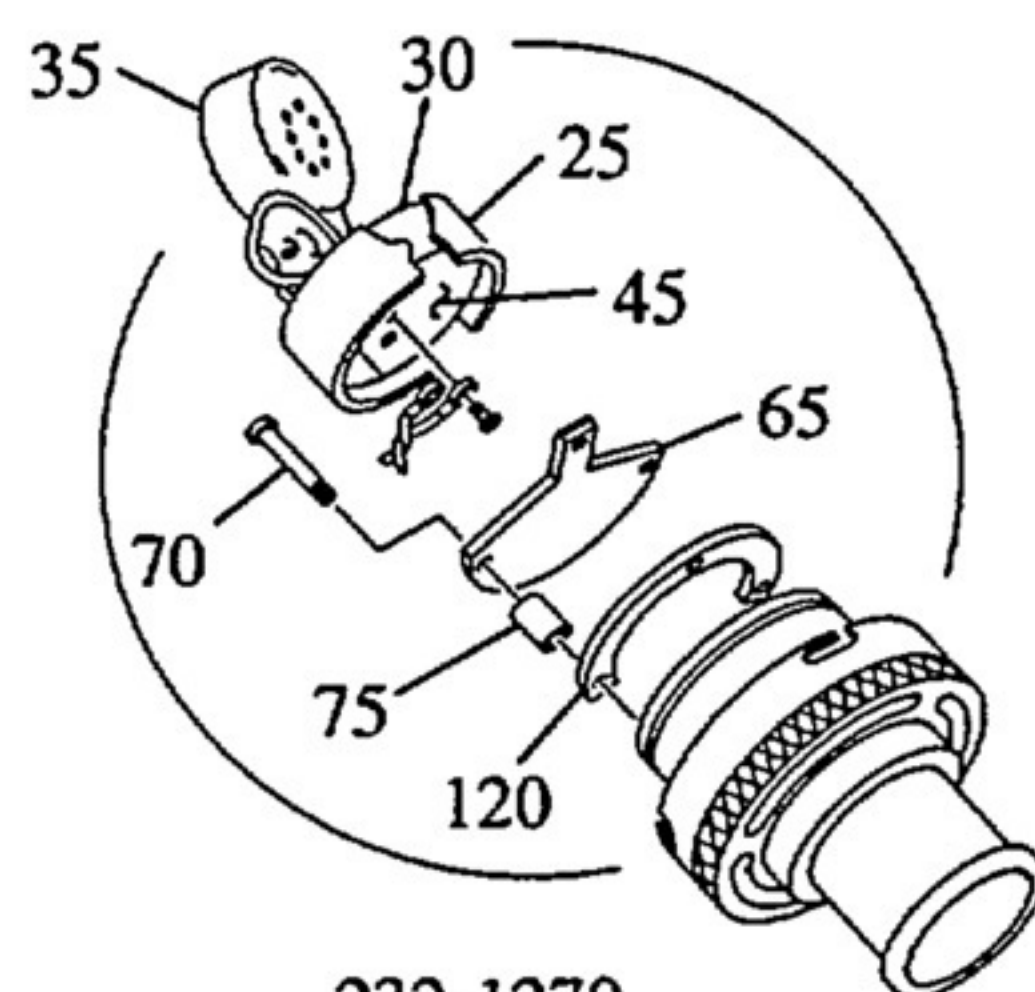
232-1176ILMB  
232-1178ILMB  
232-1194  
232-1330  
232-1371  
232-1817-1  
232-1817-2  
232-1818  
232-1820



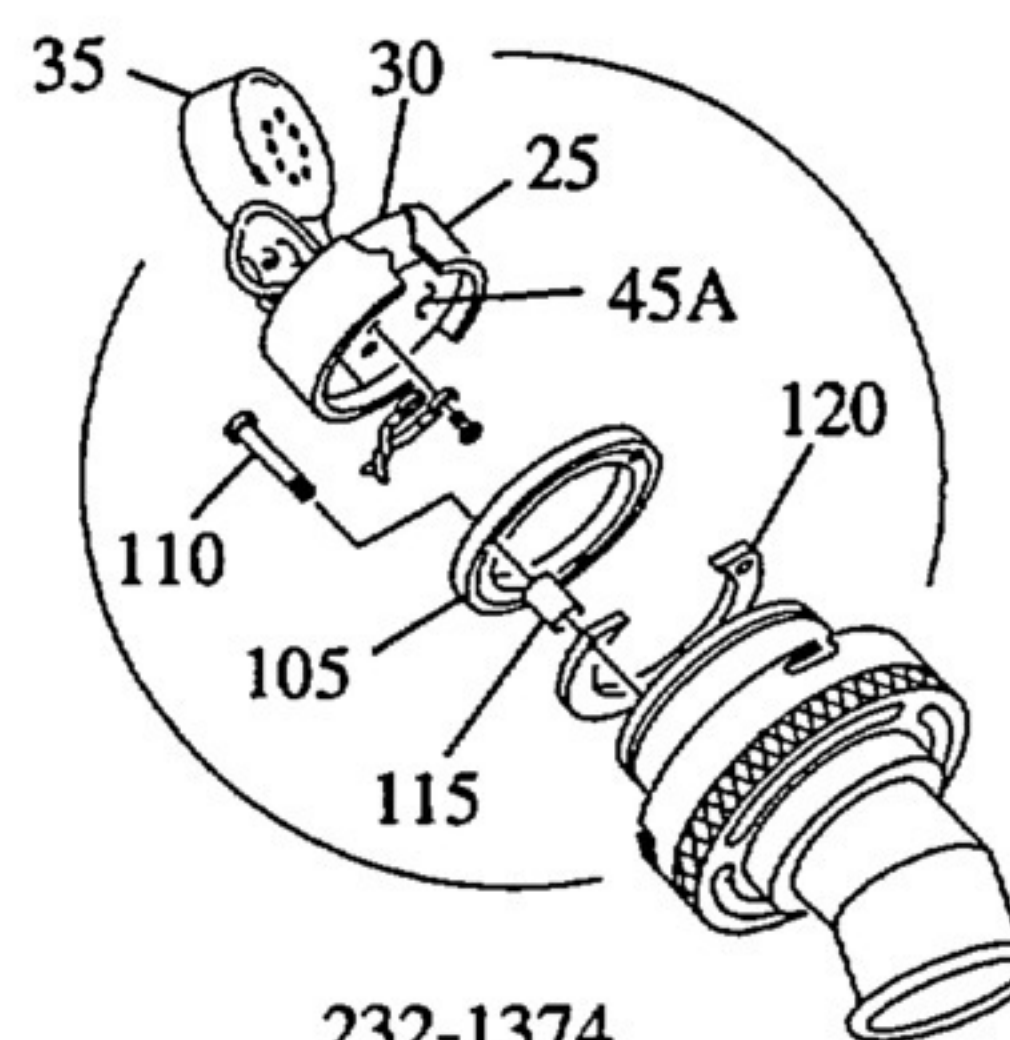
232-1191ILMB  
232-1370  
232-1816



232-1223SMB



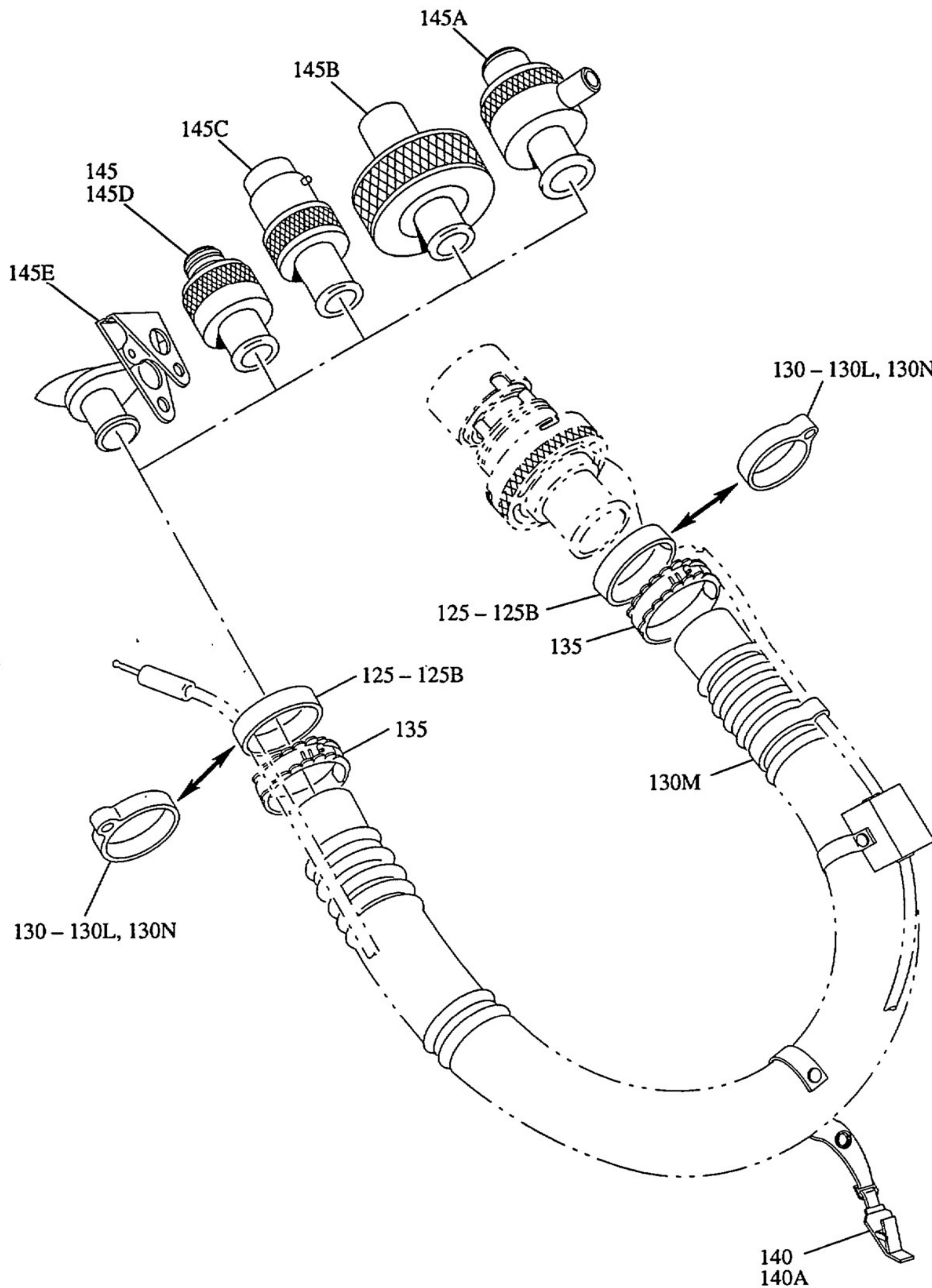
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232-1374

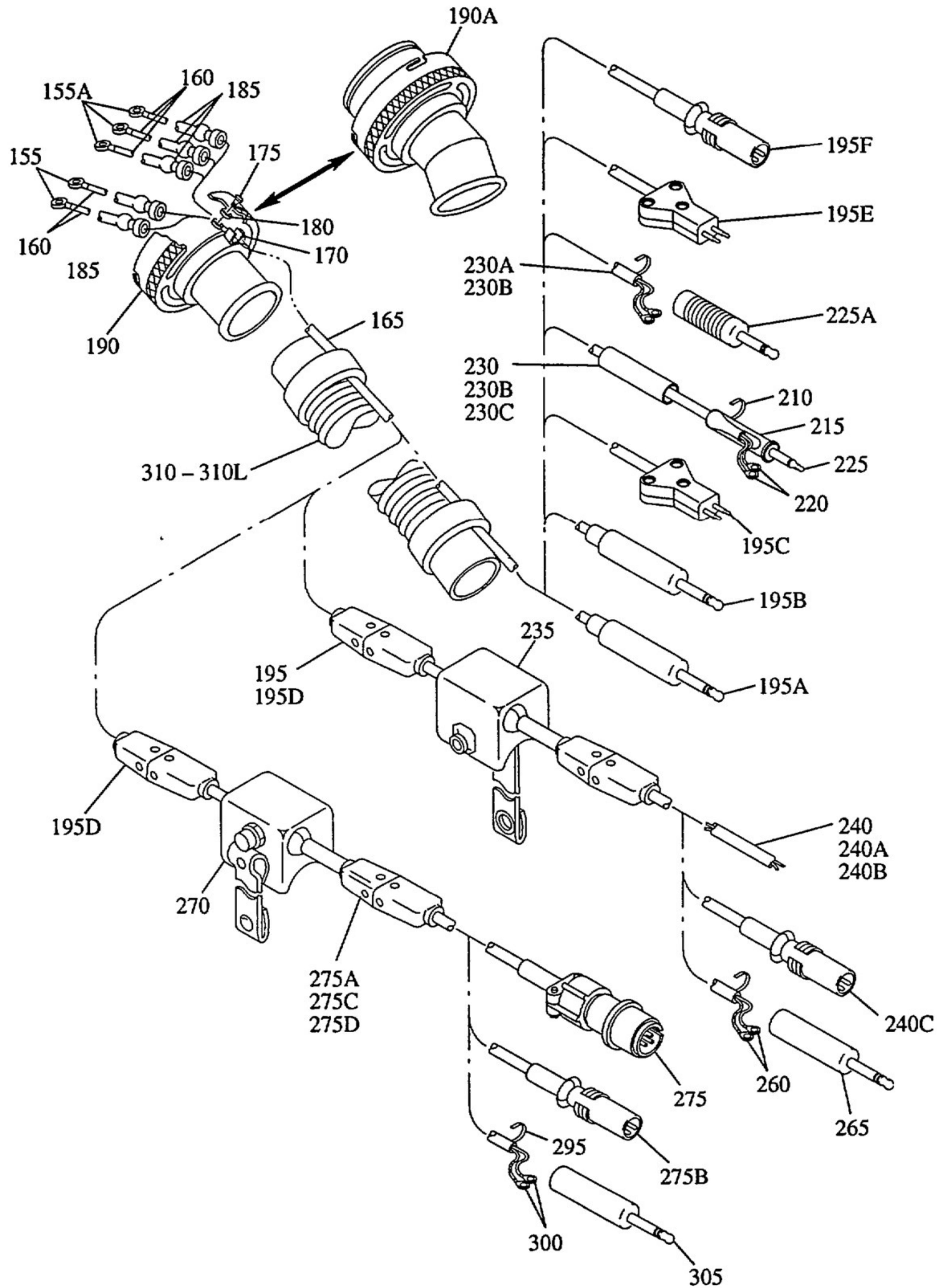
Valve, Hose & Communications Assemblies  
(With Dark Green Crushproof Hoses and External Communications Cables)  
IPL Figure 7 (Sheet 1 of 3)





Valve, Hose & Communications Assemblies  
(With Dark Green Crushproof Hoses and External Communications Cables)  
IPL Figure 7 (Sheet 2)

**35-11-90**



Valve, Hose & Communications Assemblies  
(With Dark Green Crushproof Hoses and External Communications Cables)  
IPL Figure 7 (Sheet 3)



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
7 -1	232-898SMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	A	RF
-1A	232-1016ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 3 FOR NHA)	B	RF
-1B	232-1018SMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 3 FOR NHA)	C	RF
-1C	232-1111		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	D	RF
-1D	232-1111-1		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	E	RF
-1E	232-1159ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	F	RF
-1F	232-1161ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 3 FOR NHA)	G	RF
-1G	232-1169ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	H	RF
-1H	232-1176ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	J	RF
-1J	232-1178ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	K	RF
-1K	232-1191ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 3 FOR NHA)	L	RF
-1L	232-1194		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	M	RF
-1M	232-1223SMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	N	RF
-1N	232-1248		VALVE, HOSE & COMM ASSY (SEE IPL FIGS. 1 AND 2 FOR NHA)	P	RF
-1P	232-1258		VALVE, HOSE & COMM ASSY (SEE IPL FIGS. 1 AND 2 FOR NHA)	Q	RF
-1Q	232-1260		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 4 FOR NHA)	R	RF
-1R	232-1261		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 4 FOR NHA)	S	RF
-1S	232-1279		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	T	RF
-1T	232-1317		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	U	RF
-1U	232-1320		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	V	RF
-1V	232-1323		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	W	RF
-1W	232-1326		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 4 FOR NHA)	X	RF

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
7 -1X	232-1327		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 4 FOR NHA)	Y	RF
-1Y	232-1330		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	Z	RF
-1Z	232-1339-1		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	BA	RF
-1BA	232-1339-2		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	CA	RF
-1CA	232-1348		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	DA	RF
-1DA	232-1358		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	EA	RF
-1EA	232-1361		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 4 FOR NHA)	FA	RF
-1FA	232-1366		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 4 FOR NHA)	GA	RF
-1GA	232-1369		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	HA	RF
-1HA	232-1370		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	JA	RF
-1JA	232-1371		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 4 FOR NHA)	KA	RF
-1KA	232-1374		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	LA	RF
-1LA	232-1816		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	MA	RF
-1MA	232-1817-1		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 4 FOR NHA)	NA	RF
-1NA	232-1817-2		VALVE, HOSE & COMM ASSY (SEE IPL FIGS. 1 AND 2 FOR NHA)	PA	RF
-1PA	232-1818		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 2 FOR NHA)	QA	RF
5	232-662		• COVER, MICROPHONE	B, D-M, P-S, U, W, Y, Z, DA-QA	1
5A	232-439		• COVER, MICROPHONE	N	1
10	00-779		• MICROPHONE, DYNAMIC, 250 OHMS	A, BA, CA	1
10A	232-274		• MICROPHONE, CARBON, 100 OHMS, TYPE ANB-M-C1	B, F-H, N-S, U-Y, DA-HA, NA-QA	1
10B	00-861		• MICROPHONE, DYNAMIC, 3.5 OHMS	C	1

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
7 10C	00-7318		• MICROPHONE, DYNAMIC, 5 OHMS	D,E	1
10D	232-270		• MICROPHONE, DYNAMIC, 5 OHMS, TYPE M-94/A	J-L, Z, JA-MA	1
10E	00-651-3		• MICROPHONE, DYNAMIC	M	1
15	358-34		ATTACHING PARTS		
15A	00-1074		• CLIP, RETAINER	A,C,BA,CA	1
			• SCREW, NYLON	N	1
			* * *		
-20	232-685-3		• MICROPHONE ASSY, DYNAMIC	T	1
-20A	232-685-1		• MICROPHONE ASSY, DYNAMIC	LA	1
25	232-662		• • COVER, MICROPHONE	T, LA	1
30	232-702		• • GASKET, SPACER	T, LA	1
35	00-1587		• • MICROPHONE, TYPE M101/A1C	T, LA	1
40	AN500D2-5		ATTACHING PARTS		
			• • SCREW, FILLISTER HEAD	T, LA	2
			* * *		
45	00-5811		• • PRE-AMP ASSY, TYPE AM-4326B/A	T	1
45A	00-4263		• • BRACKET ASSY	LA	1
50	358-28		• BRACKET, MICROPHONE	A,C,BA,CA	1
50A	232-32		• BRACKET, MICROPHONE	N	1
55	00-668		ATTACHING PARTS		
			• SCREW, FILLISTER HEAD 1-72 x 0.12 LONG	A,C,N,BA, CA	3
			* * *		
-60	232-803		• BRACKET KIT, MICROPHONE	T	1
65	232-819		• • BRACKET	T	1
70	AN510C1-8		ATTACHING PARTS		
			• • SCREW, FLAT HEAD	T	3
			* * *		
75	232-667		• • SPACER	T	3
-80	232-658B		• BRACKET KIT, RING MICROPHONE	V,X	1
85	232-662		• • COVER, MICROPHONE	V,X	1

- ITEM NOT ILLUSTRATED



# PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
7 90	232-659		• • RING, MICROPHONE HOUSING	V,X	1
95	AN510C1-8		ATTACHING PARTS • • SCREW, FLAT HEAD * * *	V,X	3
100	232-667		• • SPACER, RING	V,X	3
105	232-659		• RING, MICROPHONE HOUSING	B,D-M,P-S, U,W,Y,Z DA-QA	1
110	AN510C1-8		ATTACHING PARTS • SCREW, FLAT HEAD  * * *	B,D-M,P-S, U,W,Y,Z, DA-QA	3
115	232-667		• SPACER, RING	B,D-M,P-S, U,W,Y,Z, DA-QA	3
120	232-115		• NAMEPLATE		1
125	249-315		• RUBBERBAND	B	2
125A	249-315		• RUBBERBAND	G	5
125B	249-315		• RUBBERBAND	H	9
130	00-964		• GUIDE, CABLE	A,F,BA,CA, NA,PA	4
130A	00-964		• GUIDE, CABLE	J,V,W	3
130B	00-964		• GUIDE, CABLE	KA	10
130C	00-964		• GUIDE, CABLE	QA	5
130D	00-639		• GUIDE, CABLE	C,LA	8
130E	00-639		• GUIDE, CABLE	D	6
130F	00-639		• GUIDE, CABLE	E,P,Q,T	4
130G	00-639		• GUIDE, CABLE	L	9
130H	00-639		• GUIDE, CABLE	M,R,S,Y, NA,QA	5
130J	00-639		• GUIDE, CABLE	N,Z,DA-EA, KA	3
130K	00-639		• GUIDE, CABLE	X	2
130L	00-639		• GUIDE, CABLE	HA	10
130M	249-425		• GUIDE, CABLE	K	1
130N	450-13		• GUIDE, CABLE	K	2
135	MS22064-5		• CLAMP, HOSE	A-J, L-QA	2
140	232-218-2		• CLIP ASSY, CLOTHING	A,C-E,G-J, L-T, V,X-LA, NA-QA	1



**PARTS LIST**

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
7 140A	232-218-3		• CLIP ASSY, CLOTHING	B,U,W	1
145	232-94A		• DISCONNECT ASSY	A,B,D-F,H, J, L, N, Q-S, U,BA-FA, HA, JA,LA, NA-QA	1
145A	232-246		• DISCONNECT ASSY	C,P,W,GA KA	1
145B	232-215		• DISCONNECT ASSY	G,M,X,Y, GA, MA	1
145C	266-114		• DISCONNECT ASSY	K	1
145D	232-94		• DISCONNECT ASSY	V	1
145E	MS22058-1		• CONNECTOR, FEMALE	Z	1
150	232-XXX		• VALVE, CABLE & PLUG ASSY	A	1
-150A	232-1033		• VALVE, CABLE & PLUG ASSY	B	1
-150B	232-1030		• VALVE, CABLE & PLUG ASSY	C	1
-150C	232-XXX		• VALVE, CABLE & PLUG ASSY	D,E	1
-150D	232-1160		• VALVE, CABLE & PLUG ASSY	F	1
-150E	232-1162		• VALVE, CABLE & PLUG ASSY	G	1
-150F	232-1170		• VALVE, CABLE & PLUG ASSY	H	1
-150G	232-1203		• VALVE, CABLE & PLUG ASSY	J	1
-150H	232-1179		• VALVE, CABLE & PLUG ASSY	K	1
-150J	232-1192		• VALVE, CABLE & PLUG ASSY	L	1
-150K	232-XXX		• VALVE, CABLE & PLUG ASSY	M	1
-150L	232-1224		• VALVE, CABLE & PLUG ASSY	N	1
-150M	232-1249		• VALVE, CABLE & PLUG ASSY	P	1
-150N	232-1264		• VALVE, CABLE & PLUG ASSY	Q	1
-150P	232-XXX		• VALVE, CABLE & PLUG ASSY	R	1
-150Q	232-XXX		• VALVE, CABLE & PLUG ASSY	S	1
-150R	232-XXX		• VALVE, CABLE & PLUG ASSY	T	1
-150S	232-1220-1		• VALVE, CABLE & PLUG ASSY	U	1
-150T	232-XXX		• VALVE, CABLE & PLUG ASSY	V	1
-150U	232-1325		• VALVE, CABLE & PLUG ASSY	W	1
-150V	232-XXX		• VALVE, CABLE & PLUG ASSY	X	1
-150W	232-XXX		• VALVE, CABLE & PLUG ASSY	Y	1
-150X	232-XXX		• VALVE, CABLE & PLUG ASSY	Z	1
-150Y	232-452		• VALVE, CABLE & PLUG ASSY	BA, CA	1
-150Z	232-275-3		• VALVE, CABLE & PLUG ASSY	DA	1
-150BA	232-XXX		• VALVE, CABLE & PLUG ASSY	EA	1
-150CA	232-XXX		• VALVE, CABLE & PLUG ASSY	FA	1
-150DA	232-XXX		• VALVE, CABLE & PLUG ASSY	GA	1
-150EA	232-XXX		• VALVE, CABLE & PLUG ASSY	HA	1
-150FA	232-XXX		• VALVE, CABLE & PLUG ASSY	JA	1
-150GA	232-XXX		• VALVE, CABLE & PLUG ASSY	KA	1
-150HA	232-XXX		• VALVE, CABLE & PLUG ASSY	LA	1
-150JA	232-XXX		• VALVE, CABLE & PLUG ASSY	MA	1
-150KA	232-XXX		• VALVE, CABLE & PLUG ASSY	NA, PA	1

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
7 -150LA 155	232-XXX MS25036-43		• VALVE, CABLE & PLUG ASSY • • TERMINAL, LUG	QA C-F, H-BA, DA-QA	1 2
-155A 160	MS25036-43 00-2329		• • TERMINAL, LUG • • TUBING, SHRINK, BLACK, 0.120 ID	G B,D-T,V, DA-QA	3 AR
165	00-2409		• • TUBING, SHRINK, BLACK, 0.187 ID	A-C, F-U, W-DA, FA- LA, NA-QA	AR
170	00-1081		• • TERMINAL, LUG, STRAIN RELIEF		1
175 180	MS35206-201 MS35333-35		ATTACHING PARTS • • SCREW, ROUND HEAD • • WASHER, LOCK * * *		1 1
185 190	232-1119 211-165		• • INSERT, ELASTOMER • • VALVE ASSY	A,C-K,M-T, W-GA, KA, MA-QA	2 1
190A	211-270		• • VALVE ASSY	B,L,U,V,HA, JA,LA	1
195 195A	232-XXX 00-3689		• • CABLE & PLUG ASSY • • CABLE & PLUG ASSY	A,BA,CA B,D,E,J,L, KA,MA	1 1
195B 195C 195D	232-XXX 232-XXX 232-XXX		• • CABLE & PLUG ASSY • • CABLE & PLUG ASSY • • CABLE & PLUG ASSY	C F M,R,S,W,X, Z,JA,QA	1 1 1
195E	232-XXX		• • CABLE & PLUG ASSY	N,U,V,NA, PA	1
195F 195G -200	232-XXX 232-XXX 00-850		• • CABLE & PLUG ASSY • • CABLE & PLUG ASSY • • • PLUG, ELECTRICAL, TYPE U-173/U (ORDER NHA)	HA GA A,M,R,S,W, X,Z,BA,CA, GA,JA,QA	1 1 RF
-200A	00-3887		• • • PLUG, ELECTRICAL, TYPE PJ-068 W/PRE-AMP (ORDER NHA)	C	RF
-200B	00-642		• • • PLUG, ELECTRICAL, TYPE PJ-292 (ORDER NHA)	F,N,U,V, NA,PA	RF
-200C	00-953		• • • PLUG, ELECTRICAL (ORDER NHA)	HA	RF
-205	00-4335		• • • CABLE, 2 COND (ORDER NHA)	A,F,BA,CA	RF

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
7 -205A	00-4637		. . . CABLE, MIL-C-10392, 2 COND (ORDER NHA)	C,M,N,R,S U-X,Z, GA-JA, NA, PA, QA	RF
210	00-1072		. . CRIMP, STRAIN RELIEF	G,H,P,Q, EA	1
215	520-324-1		. . BUSHING, CABLE	G,H,Q,EA	1
220	MS25036-43		. . TERMINAL, LUG	G,H,K,P,Q, Y, DA-FA, LA,QA	2
225	00-652		. . PLUG, ELECTRICAL, TYPE PJ-068	G,H,P,Q,Y, DA-FA, LA, QA	1
225A	00-1686		. . PLUG, ELECTRICAL, TYPE U-174/U	K,T	1
230	00-4335		. . CABLE, 2 COND	G,H	1
230A	232-1181		. . CABLE, 2 COND	K	1
230B	00-4637		. . CABLE, MIL-C-10392, 2 COND	P,Q,T,Y, EA, FA, LA,QA	1
230C	232-237-3		. . CABLE, 2 COND	DA	1
235	232-445		. PRE-AMP ASSY	A,BA,CA,JA	1
240	232-XXX		. CABLE & PLUG ASSY	A	1
240A	232-1000-1		. CABLE & PLUG ASSY	BA	1
240B	232-1000-2		. CABLE & PLUG ASSY	CA	1
240C	232-XXX		. CABLE & PLUG ASSY	JA	1
-245	00-961		. . PLUG, ELECTRICAL, TYPE U-172/U (ORDER NHA)	A,BA,CA,JA	1
-250	00-4637		. . CABLE, 2 COND (ORDER NHA)	A,BA,CA,JA	1
-255	00-953		. . PLUG, ELECTRICAL (ORDER NHA)	JA	RF
260	MS25036-43		. TERMINAL, LUG	BA,CA	2
265	00-652		. PLUG, ELECTRICAL, TYPE PJ-068	BA,CA	1
270	232-253		. SWITCH ASSY, PRESS-TO-TALK	M,R,S,X,QA	1
275	232-XXX		. CABLE & PLUG ASSY	M	1
275A	232-XXX		. CABLE & PLUG ASSY	R	1
275B	232-XXX		. CABLE & PLUG ASSY	S	1
275C	232-XXX		. CABLE & PLUG ASSY	X	1
275D	232-XXX		. CABLE & PLUG ASSY	QA	1
-280	00-XXX		. . PLUG, ELECTRICAL	M,R,S,X,QA	RF
-285	00-4390		. . PLUG, ELECTRICAL (ORDER NHA)	M	RF
-285A	00-953		. . PLUG, ELECTRICAL (ORDER NHA)	S	RF

- ITEM NOT ILLUSTRATED



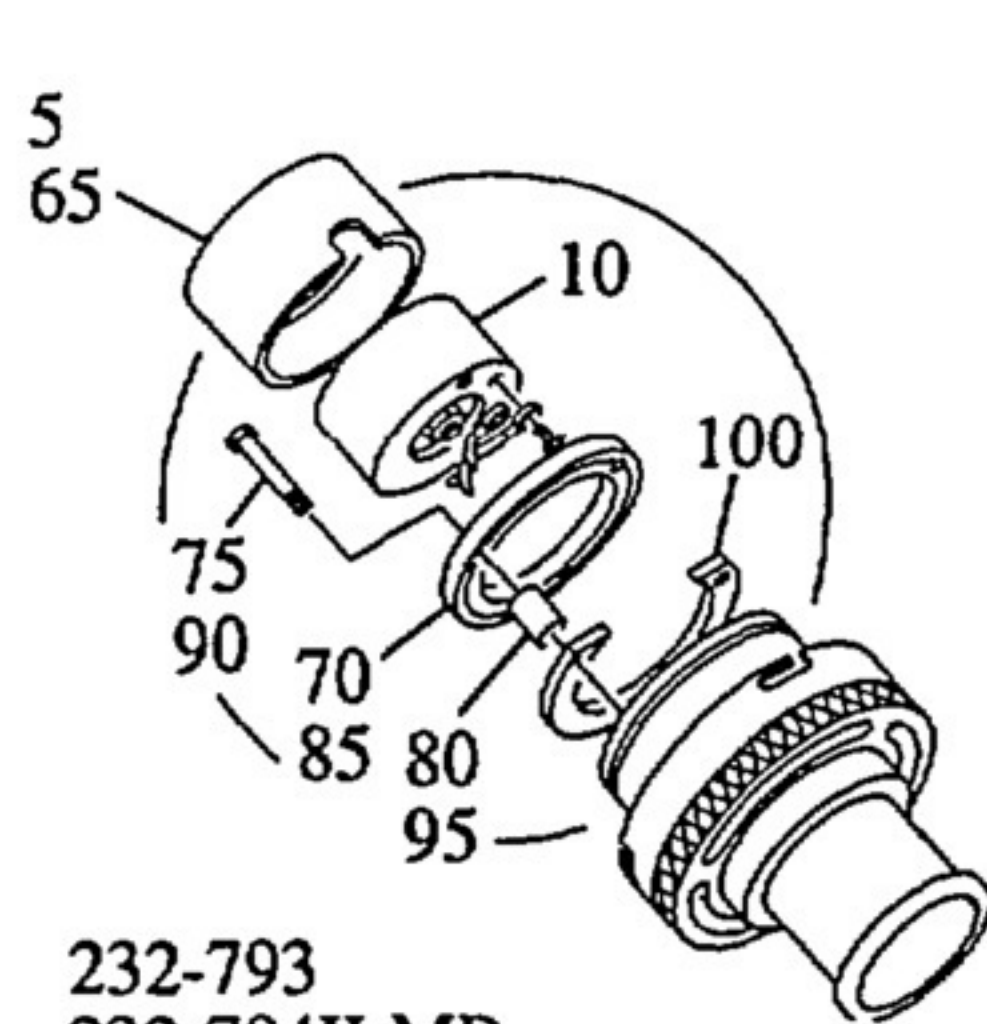
PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
7 -290	00-4986		• • CABLE, 3 COND (ORDER NHA)	M	RF
-290A	232-765-1		• • CABLE, 3 COND (ORDER NHA)	R	RF
-290B	232-818-1		• • CABLE, 4 COND (ORDER NHA)	S	RF
-290C	232-765-2		• • CABLE, 3 COND (ORDER NHA)	X	RF
-290D	232-765-3		• • CABLE, 3 COND (ORDER NHA)	QA	RF
295	00-1072		• CRIMP, STRAIN RELIEF	X,QA	1
300	MS25036-43		• TERMINAL, LUG	R,X,QA	2
305	00-652		• PLUG, ELECTRICAL, TYPE PJ-068	R,X,QA	1
310	00-3911		• HOSE, 24 INCHES LONG, W/EXTERNAL CABLE	A,N,V,W, BA,CA	1
310A	MS22055H72		• HOSE, 72 INCHES LONG, W/EXTERNAL CABLE	C,L,HA,JA	1
310B	00-3913		• HOSE, 48 INCHES LONG, W/EXTERNAL CABLE	B-G,X, KA-MA	1
310C	232-881-1		• HOSE, 72 INCHES LONG, W/EXTERNAL CABLE	H	1
310D	00-4174		• HOSE, 12 INCHES LONG, W/EXTERNAL CABLE	J,DA,FA	1
310E	00-1080		• HOSE, 17-1/2 INCHES LONG, W/EXTERNAL CABLE	K	1
310F	MS22055H48		• HOSE, 48 INCHES LONG, W/EXTERNAL CABLE	M,Q	1
310G	MS22055H36		• HOSE, 36 INCHES LONG, W/EXTERNAL CABLE	P,GA	1
310H	00-3557		• HOSE, 66 INCHES LONG, W/EXTERNAL CABLE	R,S,Y,QA	1
310J	00-3912		• HOSE, 36 INCHES LONG, W/EXTERNAL CABLE	T,NA,PA	1
310K	232-861		• HOSE & ADAPTER ASSY	U	1
310L	00-4006		• HOSE, 18 INCHES LONG, W/EXTERNAL CABLE	Z,EA	1

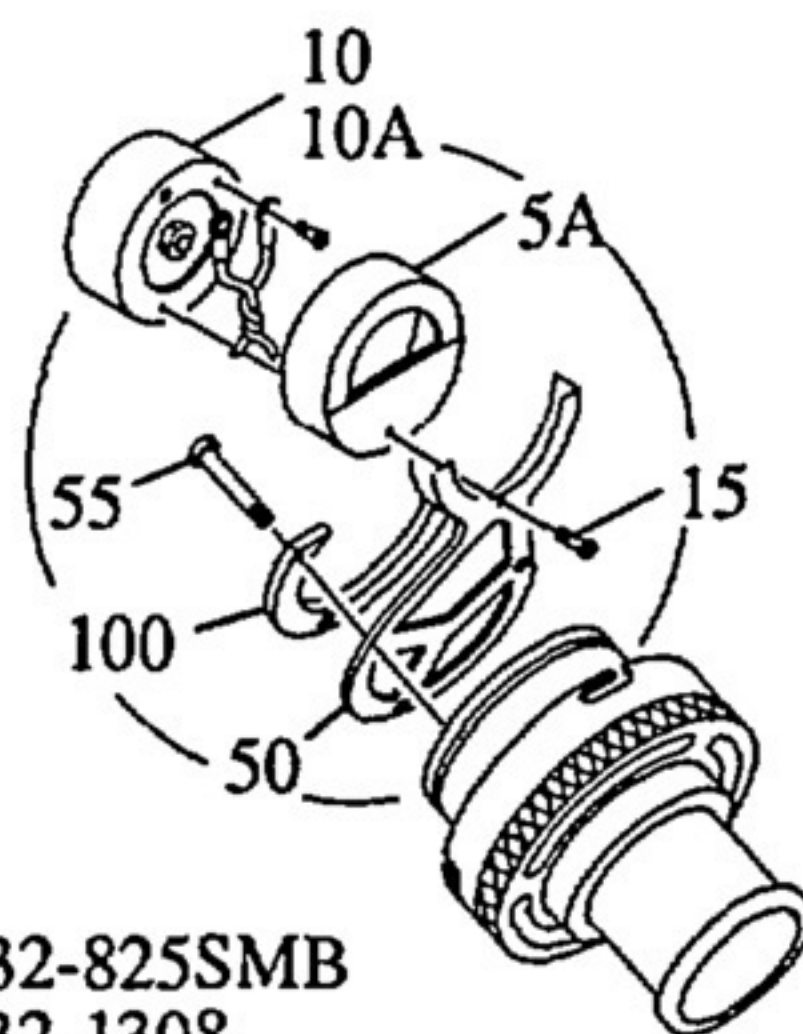
- ITEM NOT ILLUSTRATED



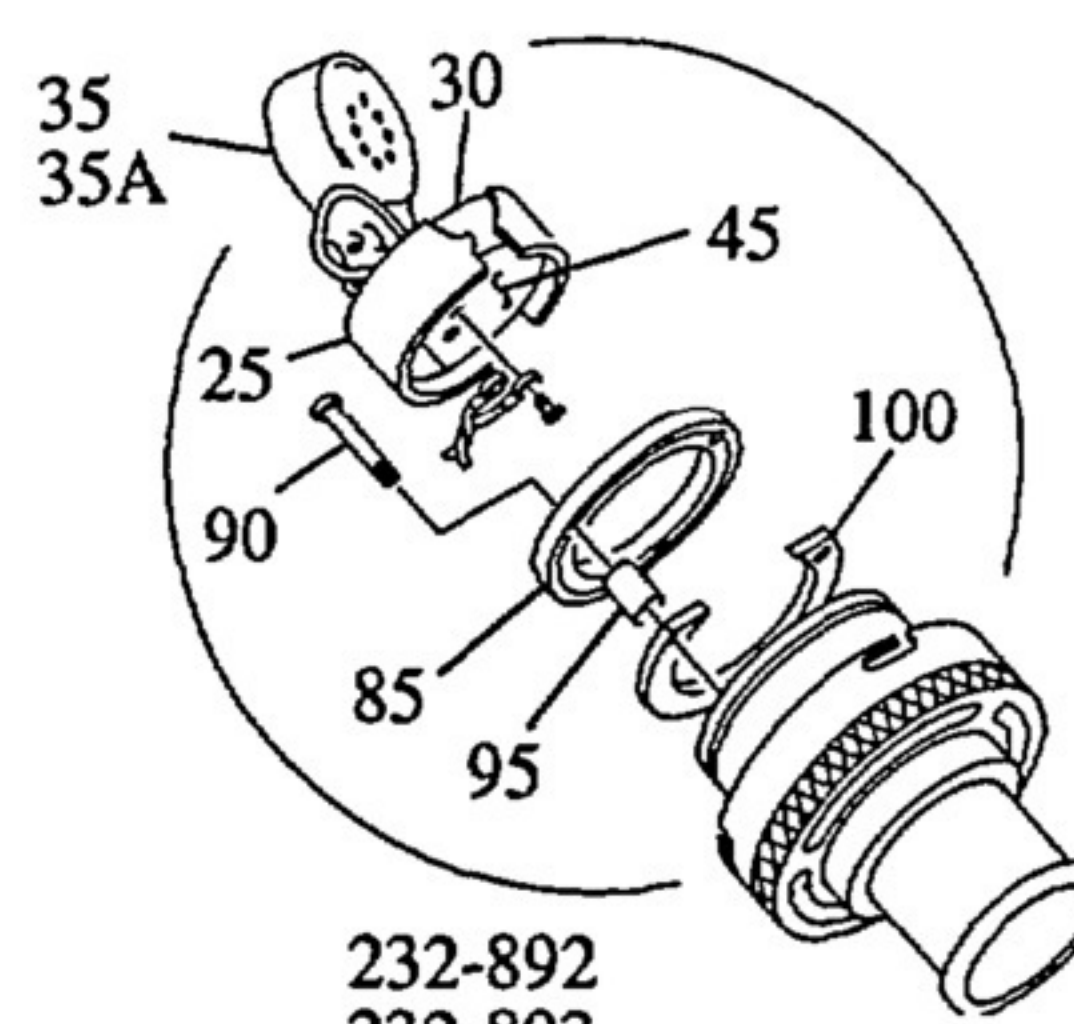
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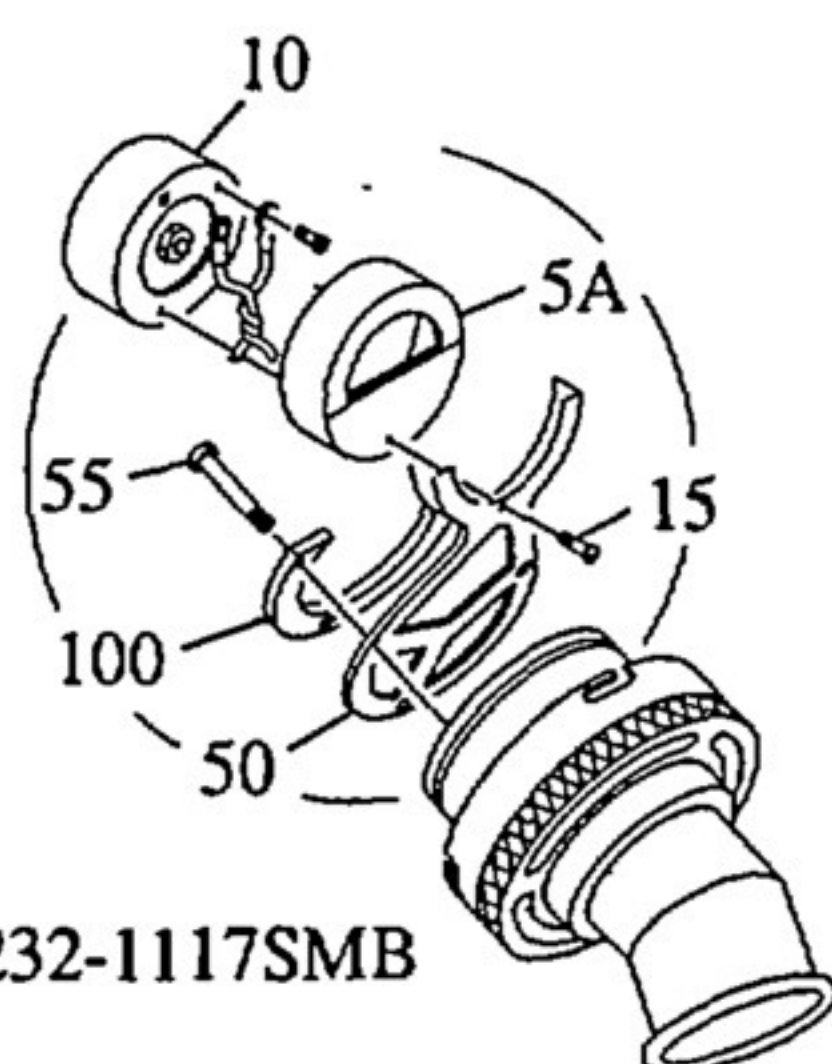
232-793  
232-794ILMB  
232-825ILMB  
232-1155ILMB  
232-1166ILMB  
232-1201  
232-1241  
232-1270  
232-1274  
232-1301  
232-1305  
232-1307  
232-1328  
232-1336  
232-1337  
232-1365



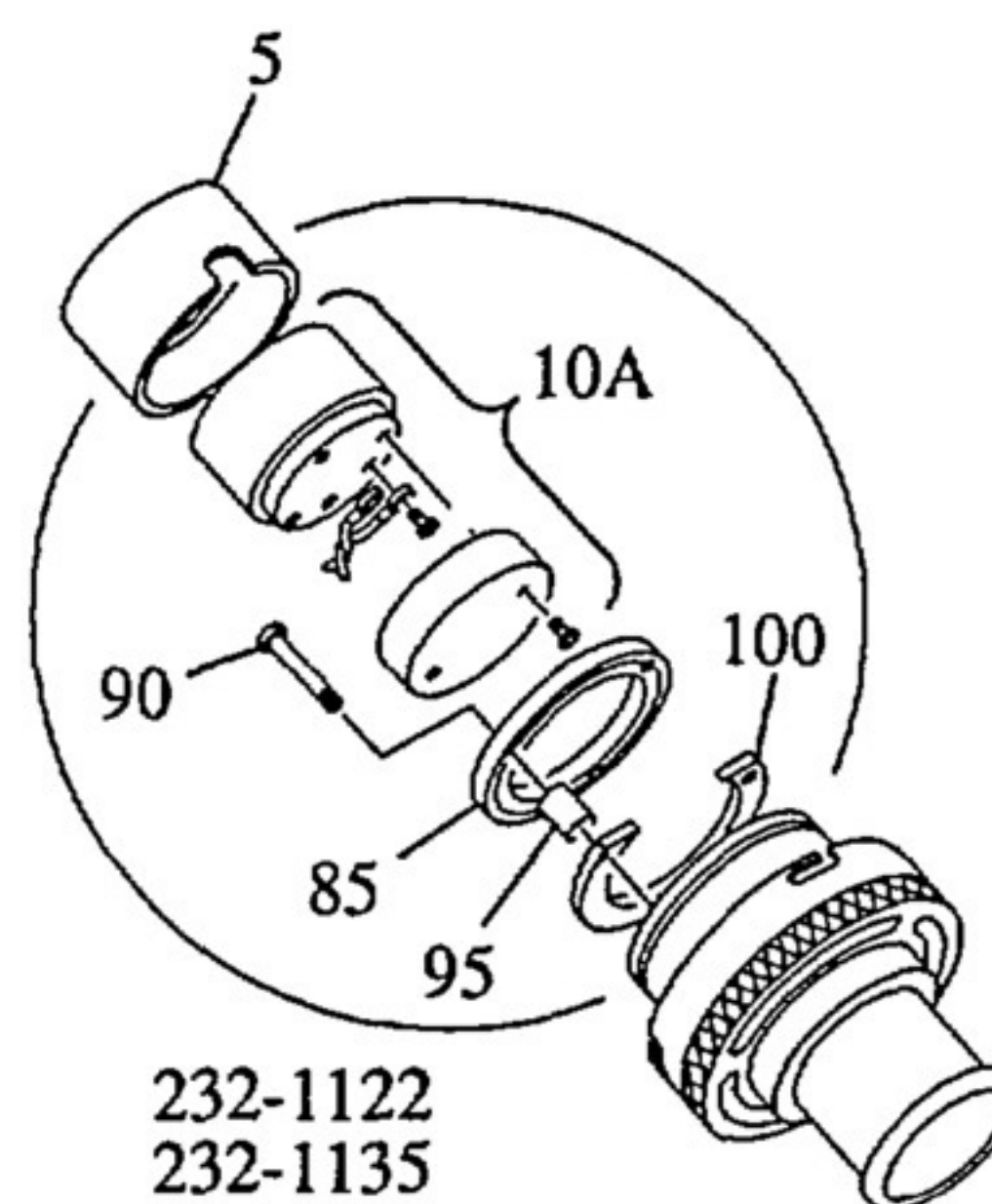
232-825SMB  
232-1308  
232-1352  
232-1373



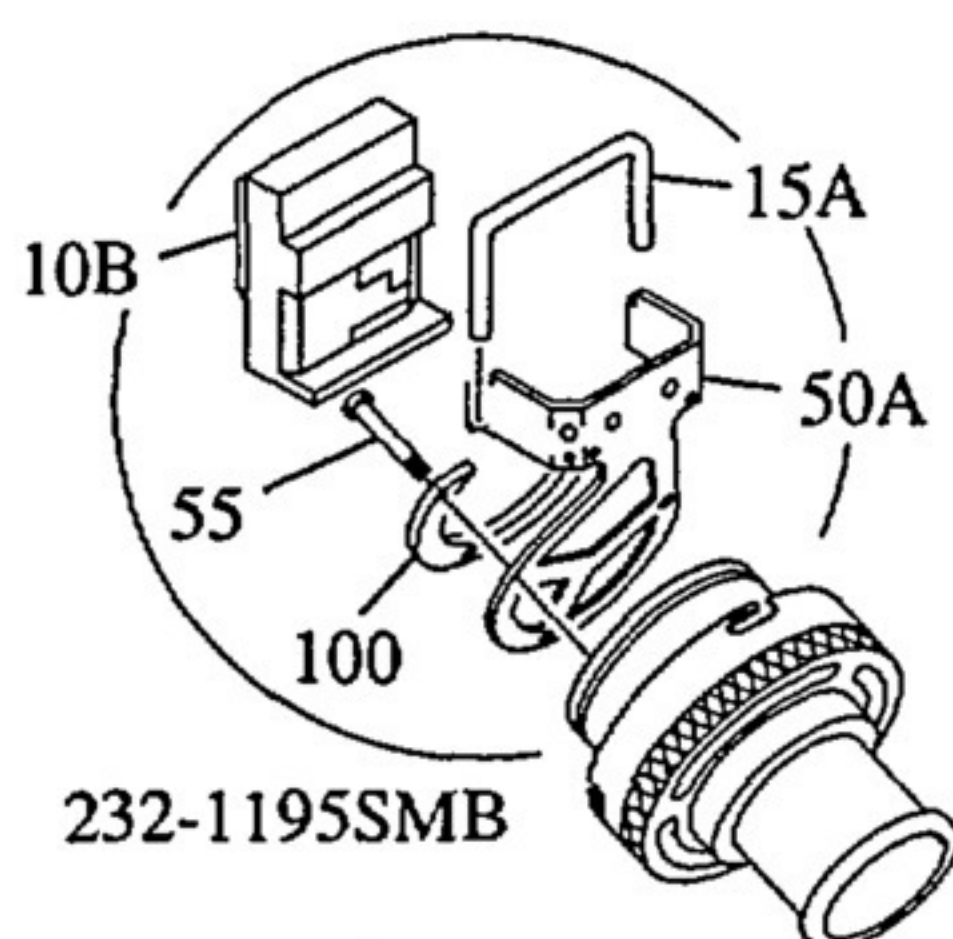
232-892  
232-893  
232-1239  
232-1312



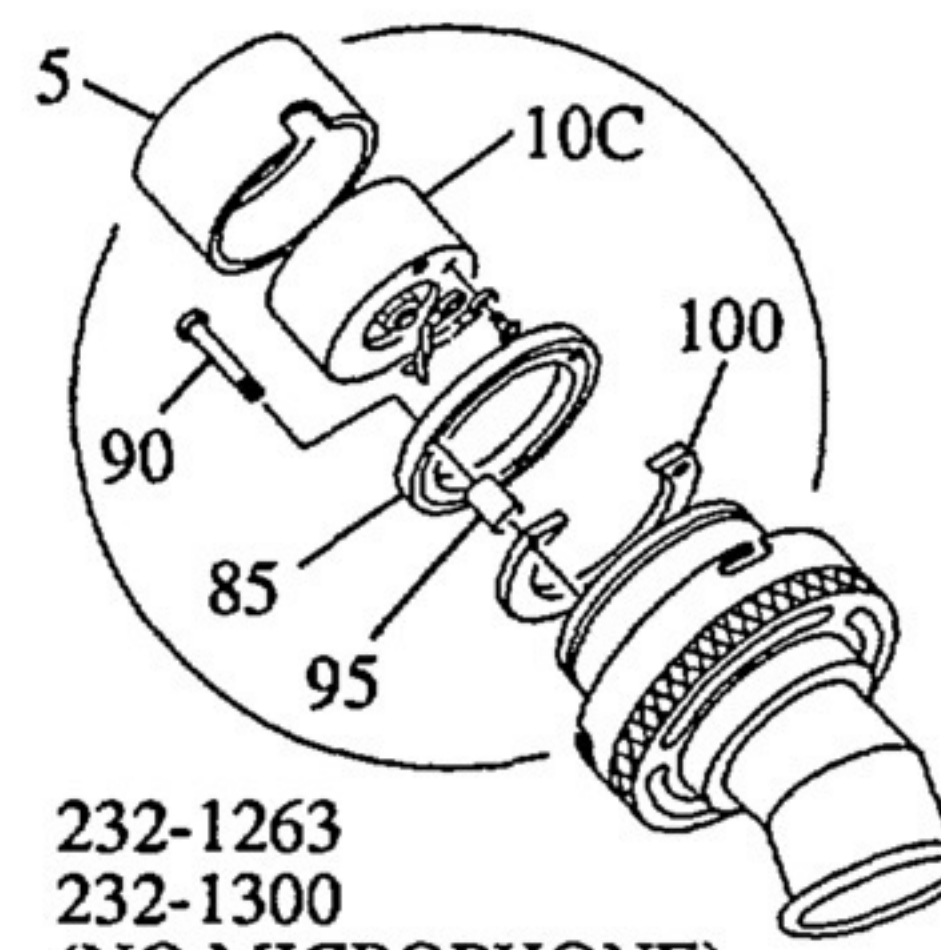
232-1117SMB



232-1122  
232-1135  
232-1362



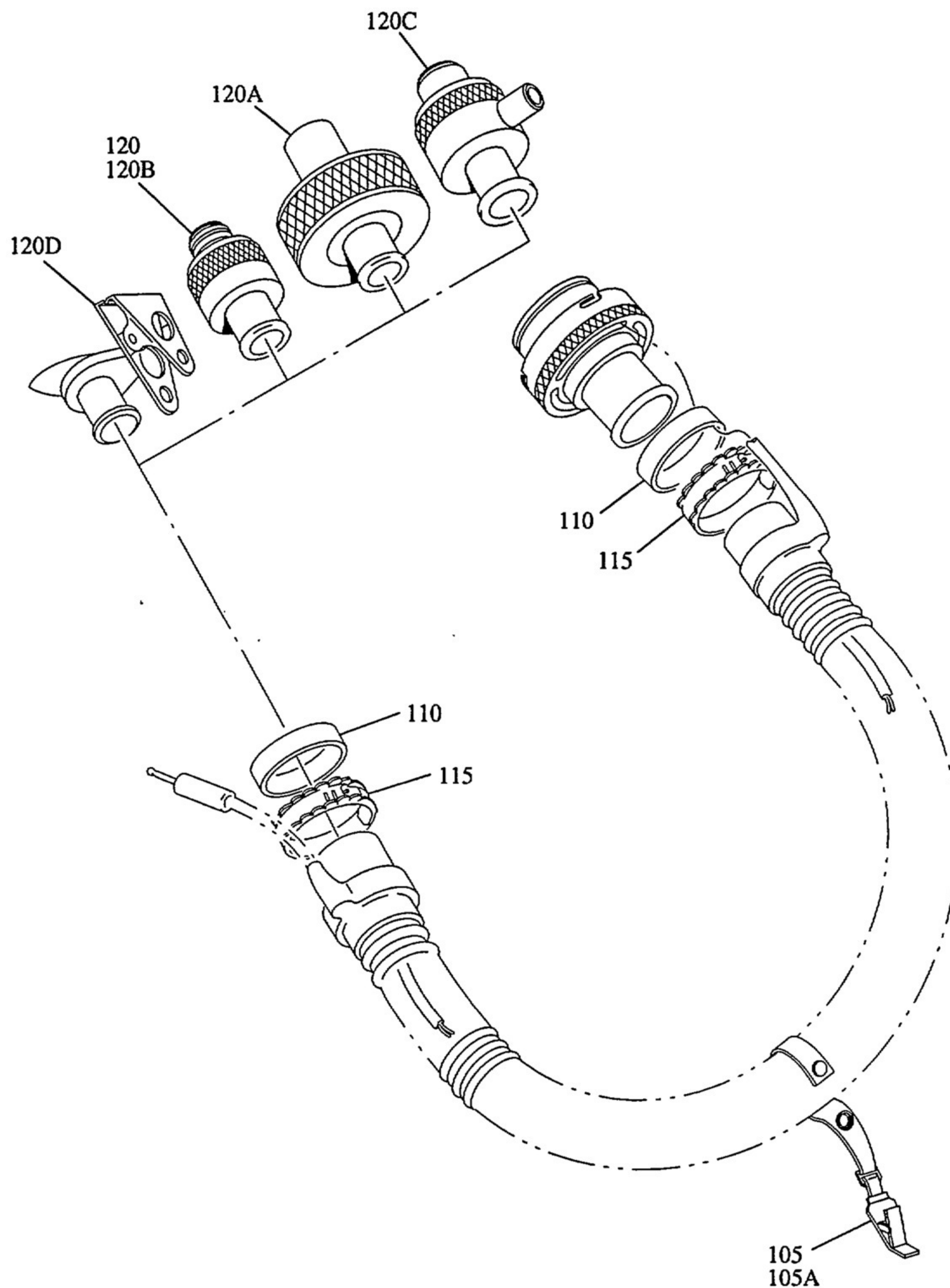
232-1195SMB



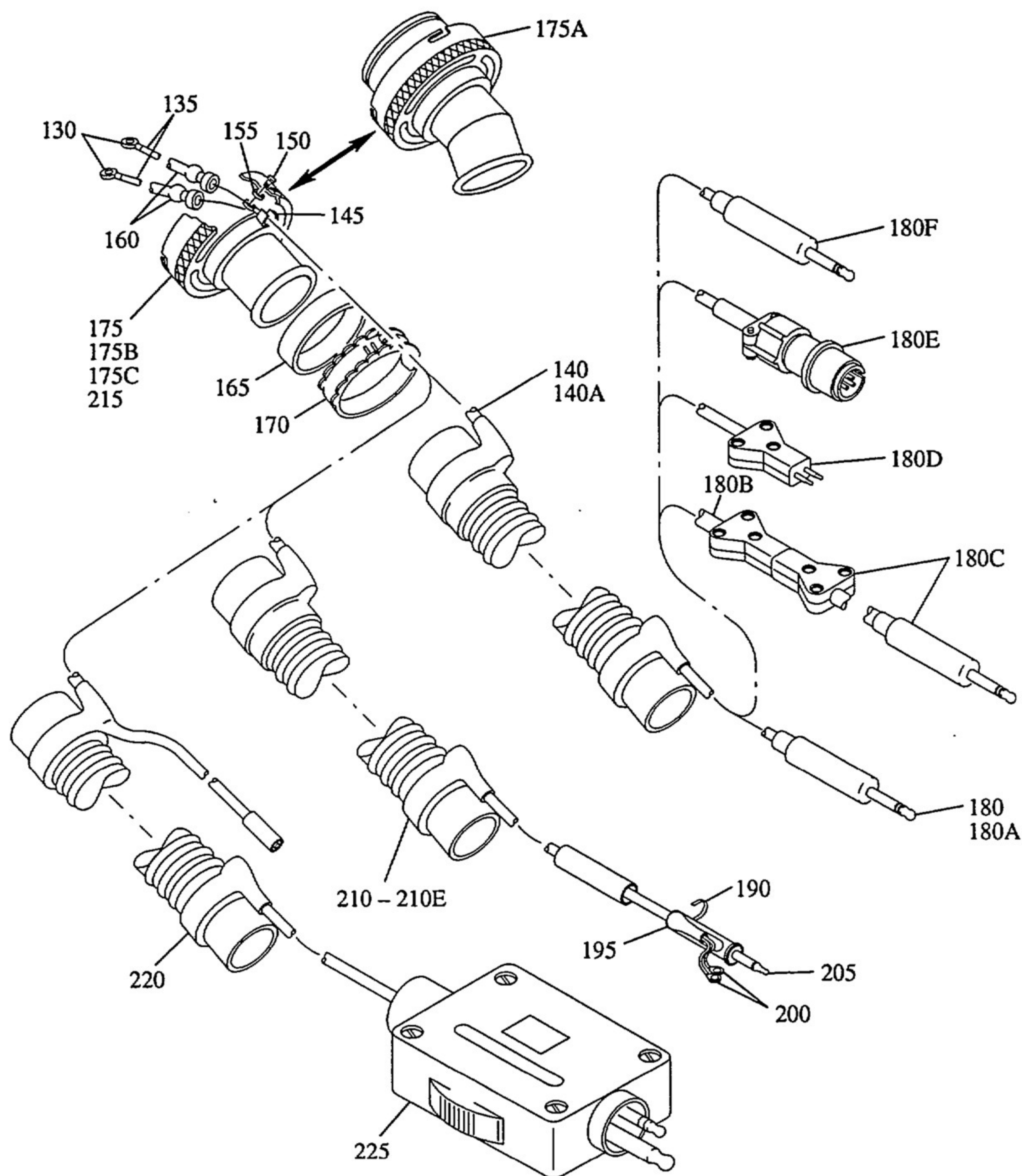
232-1263  
232-1300  
(NO MICROPHONE)  
232-1360

Valve, Hose & Communications Assemblies  
(With Dark Green Crushproof Hoses and Internal Communications Cables)  
IPL Figure 8 (Sheet 1 of 3)





Valve, Hose & Communications Assemblies  
(With Dark Green Crushproof Hoses and Internal Communications Cables)  
IPL Figure 8 (Sheet 2)



Valve, Hose & Communications Assemblies  
(With Dark Green Crushproof Hoses and Internal Communications Cables)  
IPL Figure 8 (Sheet 3)



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
8 -1	232-793		VALVE, HOSE & COMM ASSY SEE IPL FIG. 4 FOR NHA)	A	RF
-1A	232-794ILMB		VALVE, HOSE & COMM ASSY SEE IPL FIG. 3 FOR NHA)	B	RF
-1B	232-825ILMB		VALVE, HOSE & COMM ASSY SEE IPL FIG. 3 FOR NHA)	C	RF
-1C	232-825SMB		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	D	RF
-1D	232-892		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	E	RF
-1E	232-893		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	F	RF
-1F	232-1117SMB		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	G	RF
-1G	232-1122		VALVE, HOSE & COMM ASSY SEE IPL FIG. 3 FOR NHA)	H	RF
-1H	232-1155ILMB		VALVE, HOSE & COMM ASSY SEE IPL FIGS. 1 THRU 4 FOR NHA)	J	RF
-1J	232-1166ILMB		VALVE, HOSE & COMM ASSY SEE IPL FIGS. 1 AND 2 FOR NHA)	K	RF
-1K	232-1195SMB		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	L	RF
-1L	232-1201		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	M	RF
-1M	232-1239		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	N	RF
-1N	232-1241		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	P	RF
-1P	232-1263		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	Q	RF
-1Q	232-1270		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	R	RF
-1R	232-1274		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	S	RF
-1S	232-1300		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	T	RF
-1T	232-1301		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	U	RF
-1U	232-1305		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	V	RF
-1V	232-1307		VALVE, HOSE & COMM ASSY SEE IPL FIG. 3 FOR NHA)	W	RF
-1W	232-1308		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	X	RF

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
8 -1X	232-1312		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	Y	RF
-1Y	232-1328		VALVE, HOSE & COMM ASSY SEE IPL FIG. 3 FOR NHA)	Z	RF
-1Z	232-1335-1		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	BA	RF
-1BA	232-1336-1		VALVE, HOSE & COMM ASSY SEE IPL FIG. 1 FOR NHA)	CA	RF
-1CA	232-1337		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	DA	RF
-1DA	232-1352		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	EA	RF
-1EA	232-1360		VALVE, HOSE & COMM ASSY SEE IPL FIG. 4 FOR NHA)	FA	RF
-1FA	232-1362		VALVE, HOSE & COMM ASSY SEE IPL FIG. 4 FOR NHA)	GA	RF
-1GA	232-1365		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	HA	RF
-1HA	232-1373		VALVE, HOSE & COMM ASSY SEE IPL FIG. 2 FOR NHA)	JA	RF
5	232-662		• COVER, MICROPHONE	A-C, H-K, M,P,Q,S,T,V, W,Z-DA, FA-HA	1
5A	232-439		• COVER, MICROPHONE	D,G	1
10	232-274		• MICROPHONE, CARBON, 100 OHMS, TYPE ANB-M-C1	A-D,G,J,K, M,P-S,U-X, Z-DA,GA, HA,JA	
10A	232-270		• MICROPHONE, CARBON 5 OHMS, TYPE M-94/A	H,BA,EA, GA	1
10B	00-779		• MICROPHONE, DYNAMIC, 250 OHMS	L	1
10C	00-4386		• MICROPHONE, DYNAMIC, 200 OHMS	Q,FA	1
15	00-1074		ATTACHING PARTS		
15A	358-34		• SCREW, NYLON	D,G,X,JA	1
			• CLIP, RETAINER	L	1
			* * *		
20	232-685		• MICROPHONE ASSY, DYNAMIC	E,F,Y	1
-20A	232-685-1		• MICROPHONE ASY, DYNAMIC	N	1

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
8 25	232-662		• • COVER, MICROPHONE	E,F,N,Y	1
30	232-702		• • GASKET, SPACER	E,F,N,Y	1
35	00-3682		• • TRANSMITTER & BRACKET ASSY	E,F,Y	1
35A	00-1587		• • MICROPHONE, TYPE M101/A1C	N	1
40	AN500D2-5		ATTACHING PART • • SCREW, FILLISTER HEAD * * *	E,F,N,Y	1
45	00-4263		• • BRACKET ASSY	N	1
50	232-32		• BRACKET, MICROPHONE	D,G,X,EA, JA	1
50A	358-28		• BRACKET, MICROPHONE	L	1
55	00-668		ATTACHING PARTS • SCREW, FILLISTER HEAD, 1-72 x 0.12 LG * * *	D,G,L,X, EA,JA	3
-60	232-658B		• BRACKET KIT, RING MICROPHONE	R,U	1
65	232-662		• • COVER, MICROPHONE	R,U	1
70	232-659		• • RING, MICROPHONE HOUSING	R,U	1
75	AN510C1-8		ATTACHING APRTS • • SCREW, FLAT HEAD * * *	R,U	3
80	232-667		• • SPACER, RING	R,U	3
85	232-659		• RING, MICROPHONE HOUSING	A-C,E,F H-K,M-Q, S,T,V,W, Y-DA, FA-HA	1
90	AN510C1-8		ATTACHING PARTS • • SCREW, FLAT HEAD  * * *	A-C,E,F H-K,M-Q, S,T,V,W, Y-DA, FA-HA	3

- ITEM NOT ILLUSTRATED



**PARTS LIST**

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
8 95	232-667		• • SPACER, RING	A-C,E,F H-K,M-Q, S,T,V,W, Y-DA, FA-HA	1
100	232-115		• NAMEPLATE	A-H,K,M	1
105	232-218-3		• CLIP ASSY, CLOTHING	Q-U,W-Y, BA-JA N	1
105A	232-218-2		• CLIP ASSY, CLOTHING		1
110	249-315		• RUBBERBAND		1
115	MS22064-5		• CLAMP, HOSE	A,G,K,M-P, S,Z,DA,EA, GA-JA	1
120	232-94A		• DISCONNECT ASSY	B-F,H,J,L, Q,X,Y,CA FA	1
120A	232-215		• DISCONNECT ASSY	R,U	1
120B	232-94		• DISCONNECT ASSY	V,W	1
120C	232-246		• DISCONNECT ASSY	BA	1
120D	MS22058-1		• CONNECTOR, FEMALE	A,B	1
-125	232-774		• VALVE, HOSE & PLUG ASSY	C	1
-125A	232-826-1		• VALVE, HOSE & PLUG ASSY	D	1
-125B	232-826		• VALVE, HOSE & PLUG ASSY	E	1
-125C	232-894		• VALVE, HOSE & PLUG ASSY	F	1
-125D	232-XXX		• VALVE, HOSE & PLUG ASSY	G	1
-125E	232-1118		• VALVE, HOSE & PLUG ASSY	H	1
-125F	232-1126		• VALVE, HOSE & PLUG ASSY	J	1
-125G	232-1156		• VALVE, HOSE & PLUG ASSY	K	1
-125H	232-1167		• VALVE, HOSE & PLUG ASSY	L	1
-125J	232-1198		• VALVE, HOSE & PLUG ASSY	M	1
-125K	232-1202		• VALVE, HOSE & PLUG ASSY	N	1
-125L	232-1240		• VALVE, HOSE & PLUG ASSY	P	1
-125M	232-XXX		• VALVE, HOSE & PLUG ASSY	Q	1
-125N	232-XXX		• VALVE, HOSE & PLUG ASSY	R	1
-125P	232-XXX		• VALVE, HOSE & PLUG ASSY	S	1
-125Q	232-XXX		• VALVE, HOSE & PLUG ASSY	T	1
-125R	232-XXX		• VALVE, HOSE & PLUG ASSY	U	1
-125S	232-1196		• VALVE, HOSE & PLUG ASSY	V	1
-125T	232-XXX		• VALVE, HOSE & PLUG ASSY	W	1
-125U	232-XXX		• VALVE, HOSE & PLUG ASSY	X	1
-125V	232-XXX		• VALVE, HOSE & PLUG ASSY	Y	1
-125W	232-1329		• VALVE, HOSE & PLUG ASSY	Z	1
-125Y	232-XXX		• VALVE, HOSE & PLUG ASSY	BA	1
-125Z	232-XXX		• VALVE, HOSE & PLUG ASSY		1

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
8 -125BA	232-XXX		• VALVE, HOSE & PLUG ASSY	EA	1
-125CA	232-XXX		• VALVE, HOSE & PLUG ASSY	FA	1
-125DA	232-XXX		• VALVE, HOSE & PLUG ASSY	GA	1
-125EA	232-XXX		• VALVE, HOSE & PLUG ASSY	HA	1
-125FA	232-XXX		• VALVE, HOSE & PLUG ASSY	JA	1
130	MS25036-43		• • TERMINAL, LUG	A-M,P-JA	2
135	00-2329		• • TUBING, SHRINK, BLACK, 0.120 ID	A-M,P-JA	AR
140	00-7435		• • TUBING, SHRINK, BLACK, 0.375 ID	A-D,G-M, P,Q,S,T V-Y,BA-JA	AR
140A	00-2409		• • TUBING, SHRINK, BLACK, 0.187 ID	F	AR
145	00-1081		• • TERMINAL, LUG, STRAIN RELIEF	A-M,P-Y, BA-JA	1
150	MS35206-201		ATTACHING PARTS • • SCREW, ROUND HEAD	A-M,P-Y, BA-JA	1
155	MS35333-35		• • WASHER, LOCK	A-M,P-Y, BA-JA	1
			***		
160	232-1119		• • INSERT, ELASTOMER	A-M,P-JA	2
165	249-315		• • RUBBERBAND		1
170	MS22064-5		• • CLAMP, HOSE		1
175	211-165		• • VALVE ASSY	A-F,H,K-M, P,R,U-EA, GA,JA	1
175A	211-270		• • VALVE ASSY	G,Q,T,FA	1
175B	211-165W		• • VALVE ASSY (WITH NEGATIVE PRESSURE RELIEF HOLE)	J,S	1
175C	211-165W-1		• • VALVE ASSY (WITH NEGATIVE PRESSURE RELIEF HOLE)	HA	1
180	232-896		• • HOSE & PLUG ASSY	E	1
180A	232-897		• • HOSE & PLUG ASSY	F	1
180B	232-1127		• • HOSE & PLUG ASSY	H	1
180C	232-1135		• • CABLE & PLUG ASSY	H	1
180D	232-XXX		• • HOSE & PLUG ASSY	K,M,R,T,Z BA,DA	1
180E	232-XXX		• • HOSE & PLUG ASSY	L,Q,FA	1
180F	232-XXX		• • HOSE & PLUG ASSY	Y,GA	1

- ITEM NOT ILLUSTRATED

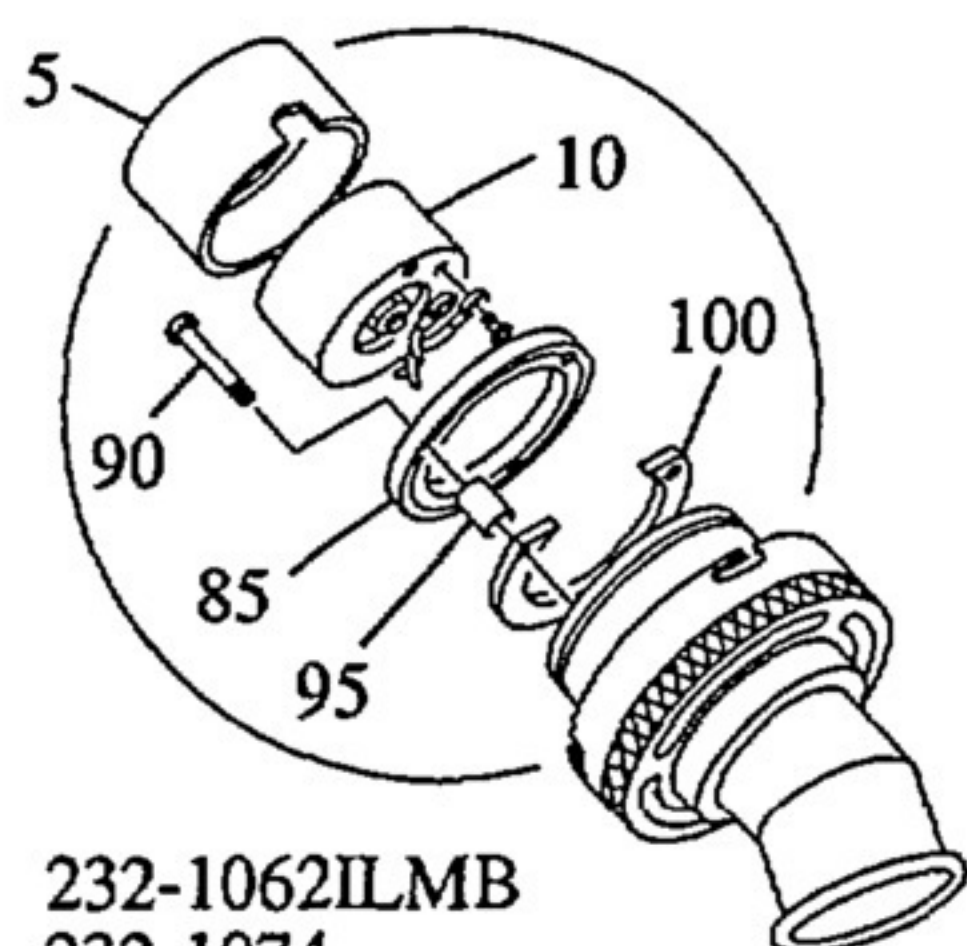


PARTS LIST

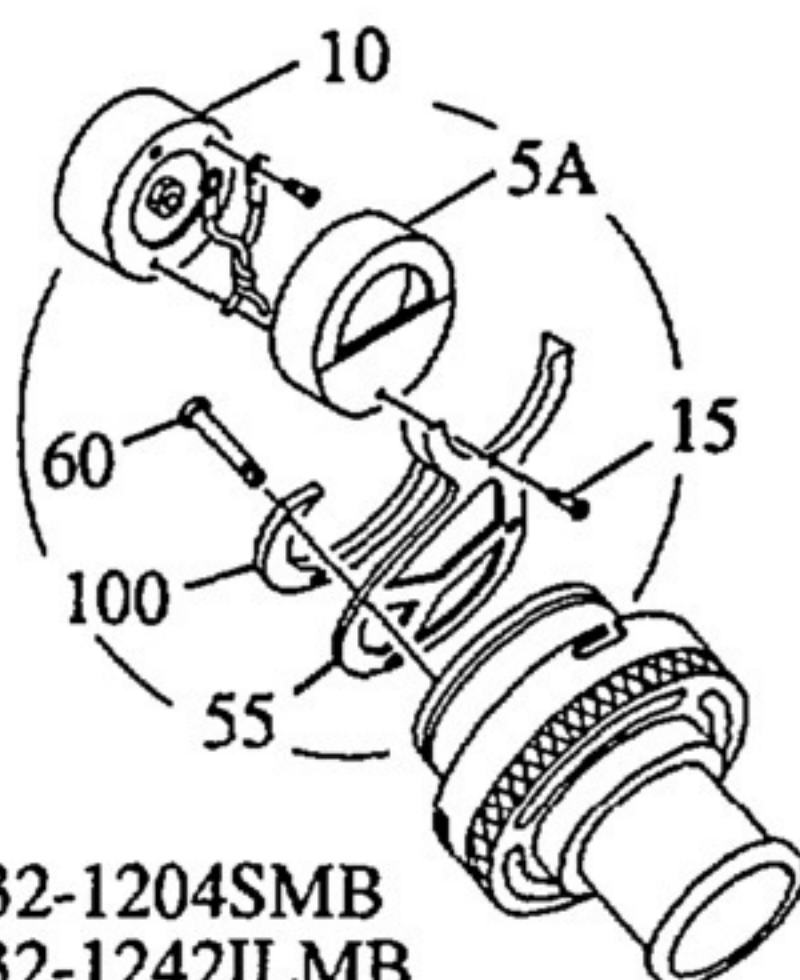
FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
8 185	00-3887		. . . PLUG, ELECTRICAL, TYPE PJ-068 W/PRE-AMP (ORDER NHA)	E,F,Y,GA	RF
185A	00-642		. . . PLUG, ELECTRICAL, TYPE PJ-292 (ORDER NHA)	H,K,M,R,T, Z,BA,DA	RF
185B	00-868		. . . PLUG, ELECTRICAL, TYPE JJ-055 (ORDER NHA)	H	RF
185C	00-4391		. . . PLUG, ELECTRICAL, TYPE PJ-068 W/PRE-AMP (ORDER NHA)	H	RF
185D	00-4390		. . . PLUG, ELECTRICAL (ORDER NHA)	L,Q,FA	RF
190	00-1072		. . CRIMP, STRAIN RELIEF	A-D,G,J, U,V	1
195	520-324-1		. . BUSHING, CABLE	U	1
200	MS25036-43		. . TERMINAL, LUG	A-D,G,J,P, S,U-W,CA, EA,HA, JA	2
205	00-652		. . PLUG, ELECTRICAL, TYPE PJ-068	A-D,G,J,P, S,U-W,CA, EA,HA, JA	1
210	00-3404		. . HOSE W/COMM CABLE, 66 INCHES LONG	A-D	1
210A	00-3854		. . HOSE W/COMM CABLE, 48 INCHES LONG	G,J,S	1
210B	00-4928		. . HOSE W/COMM CABLE, 48 INCHES LONG (WITH 36 INCH PIGTAIL)	P,V	1
210C	00-5136		. . HOSE W/COMM CABLE, 24 INCHES LONG	U	1
210D	00-3038		. . HOSE W/COMM CABLE, 60 INCHES LONG	W,X,CA, HA,JA	1
210E	00-3933		. . HOSE W/COMM CABLE, 13 INCHES LONG	EA	1
215	211-165		. VALVE ASSY	N	1
220	00-5573		. HOSE ASSY	N	1
225	00-5574		. ADAPTER, PRE-AMP	N	1



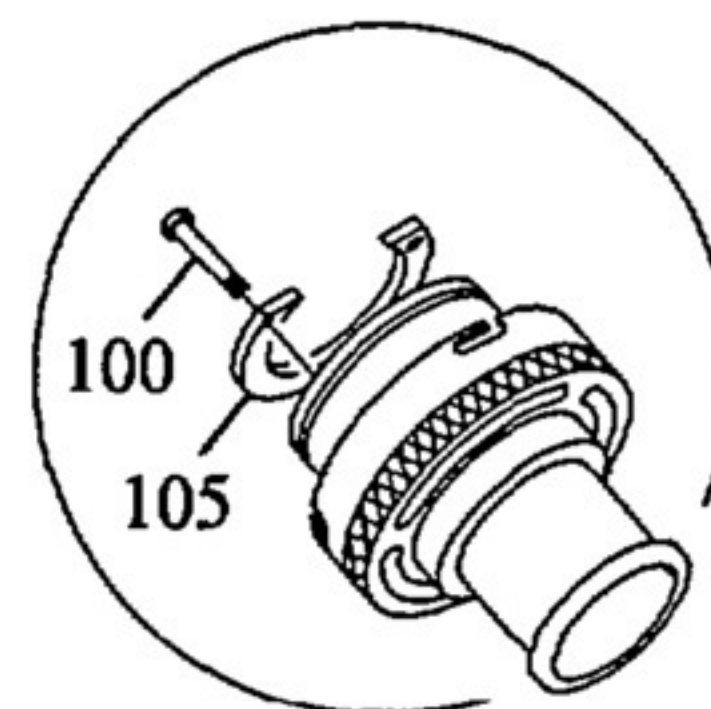
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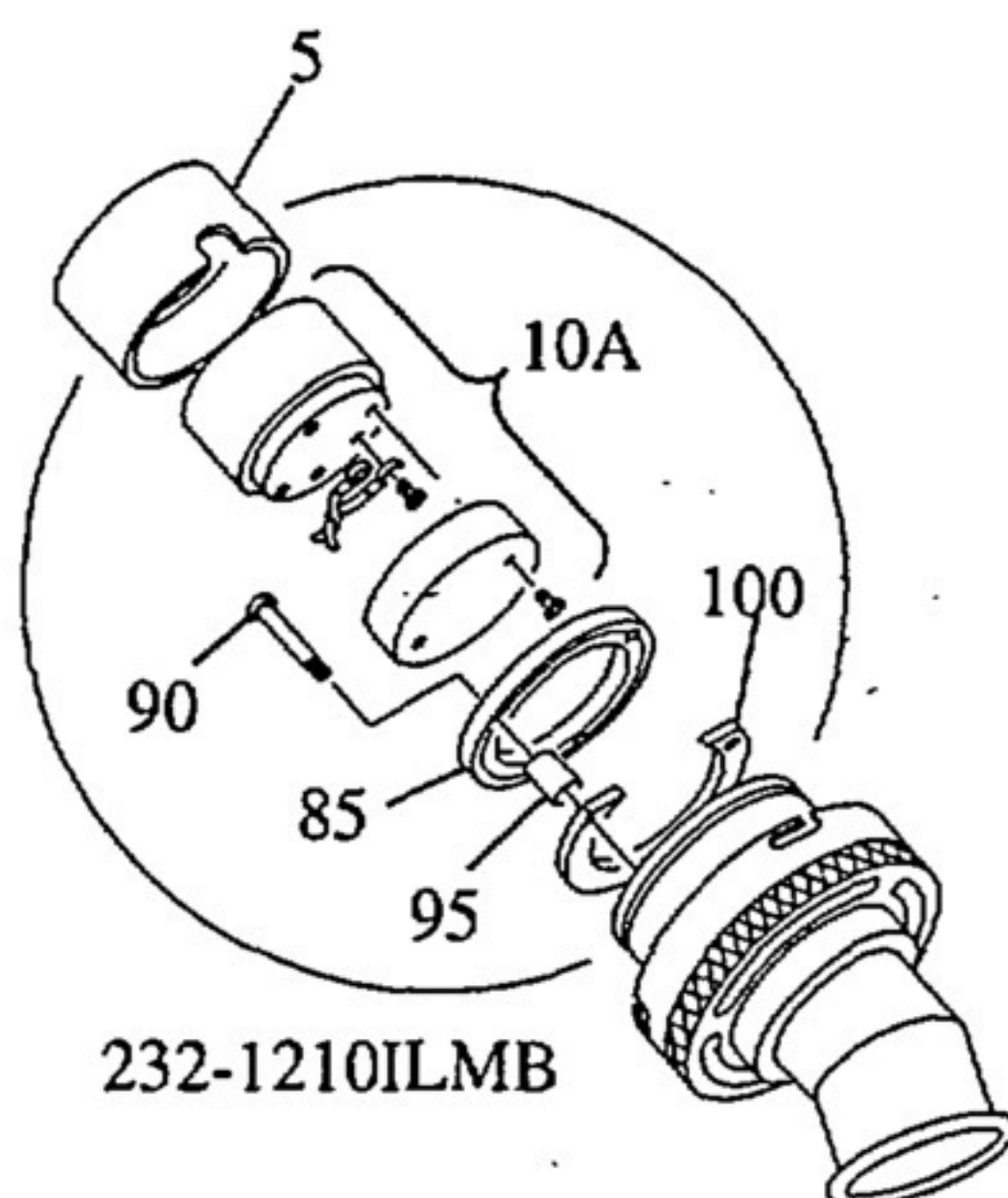
232-1062ILMB  
232-1074



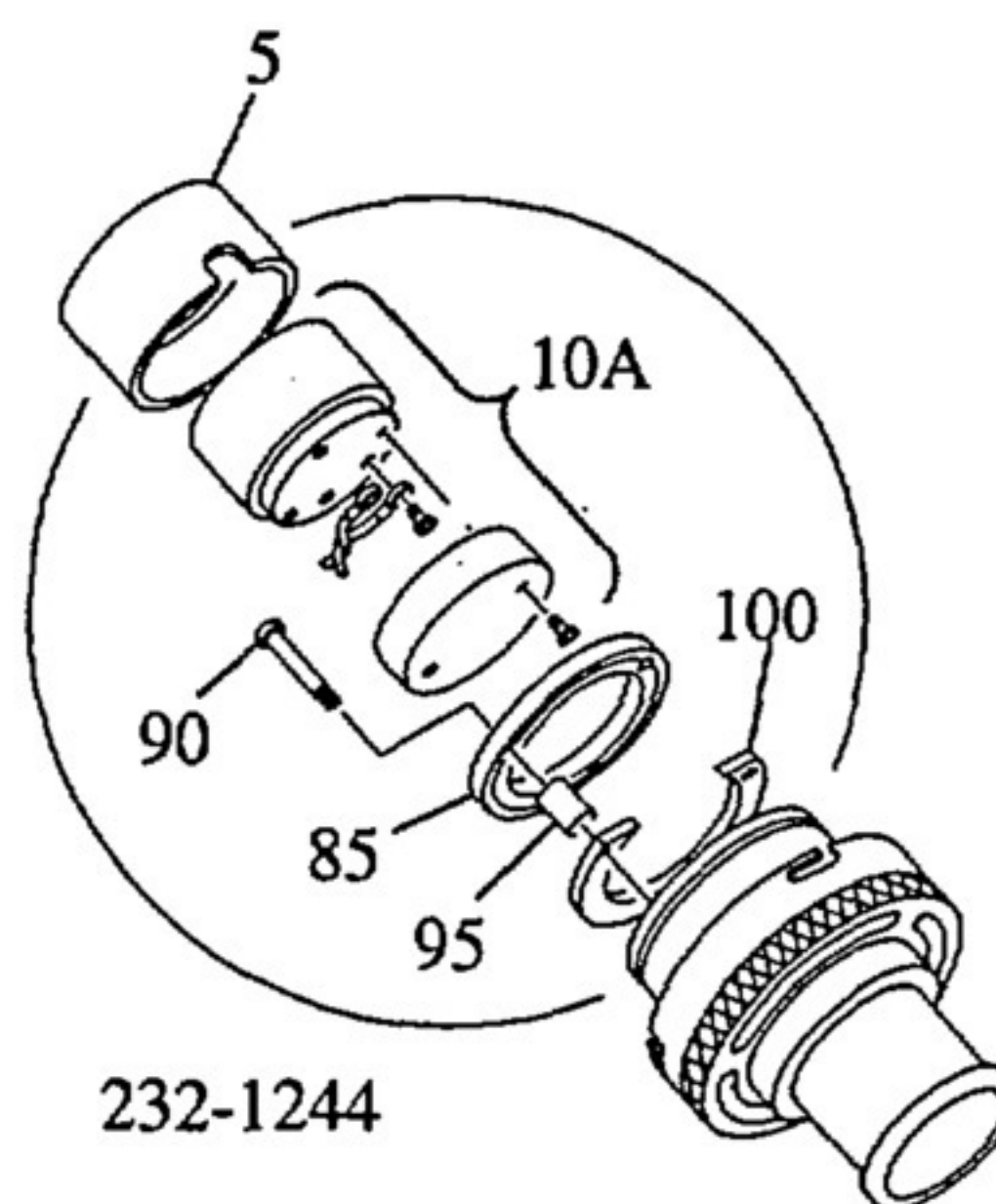
232-1204SMB  
232-1242ILMB



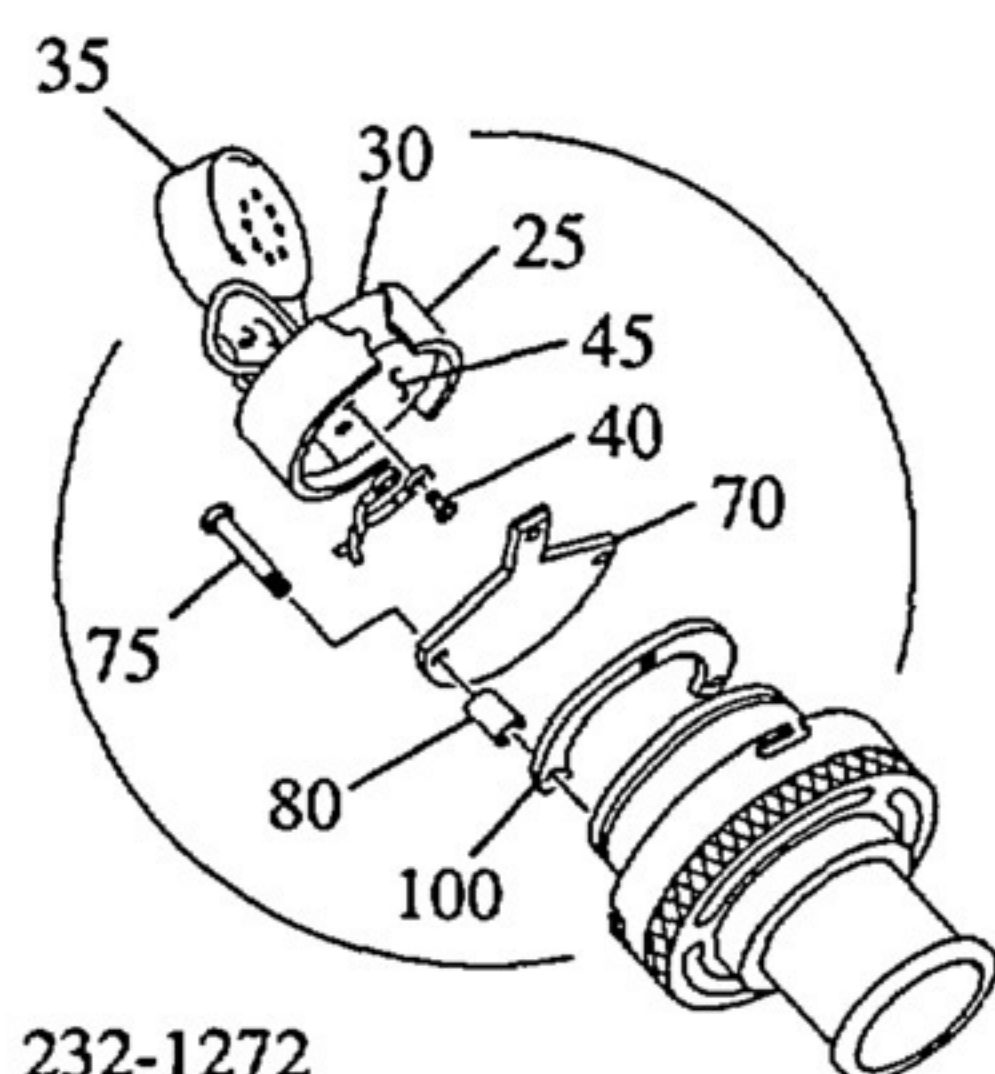
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232-1246



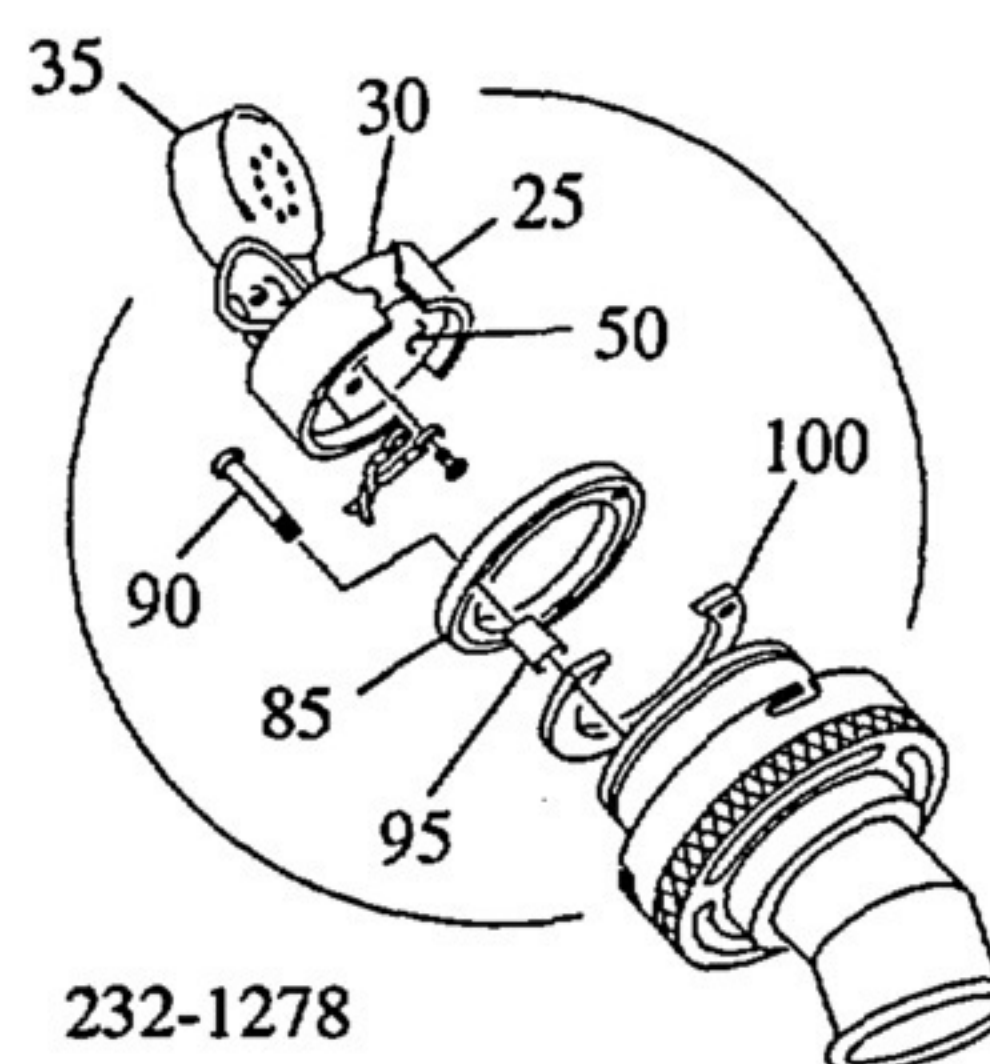
232-1210ILMB



232-1244



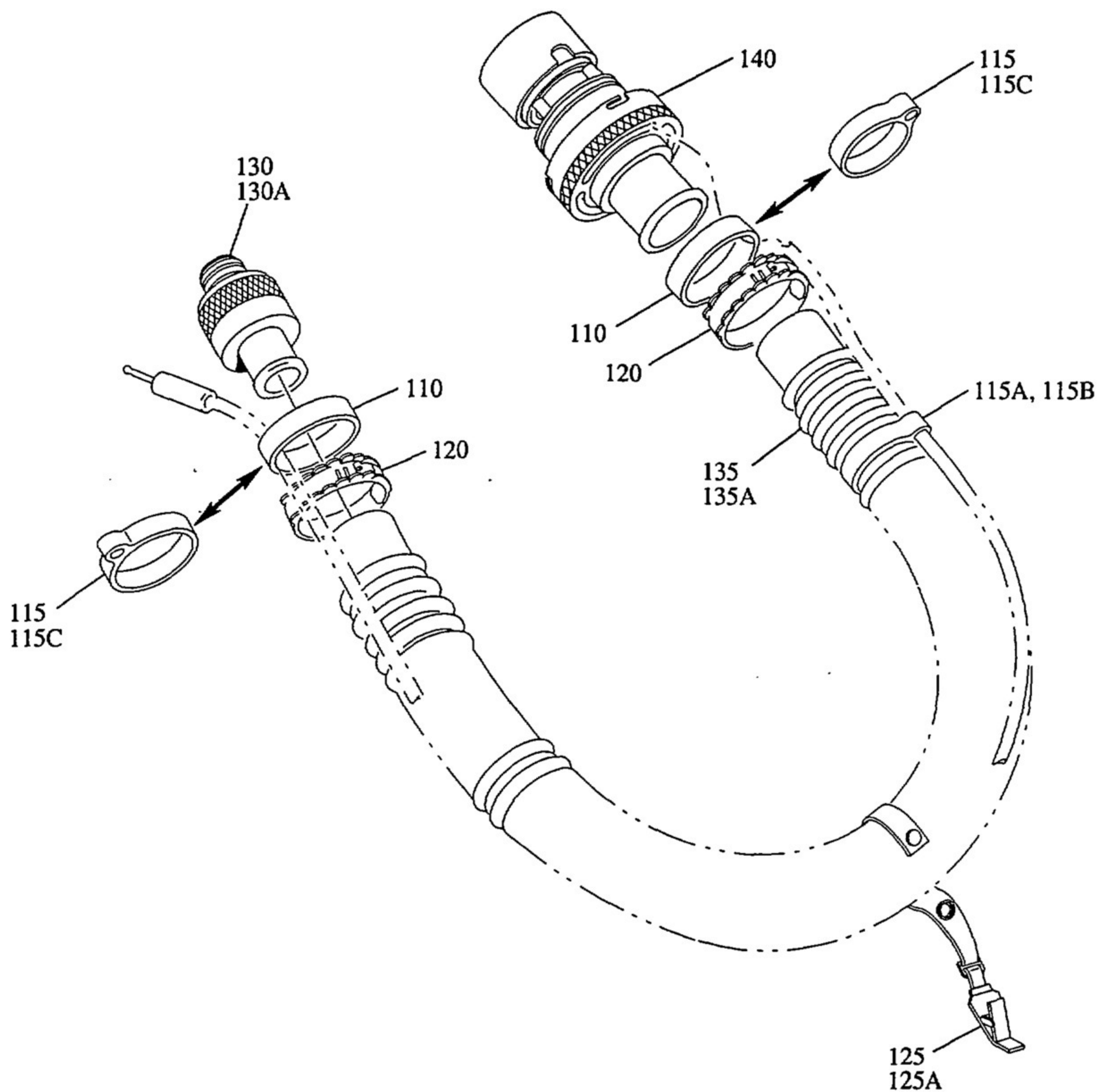
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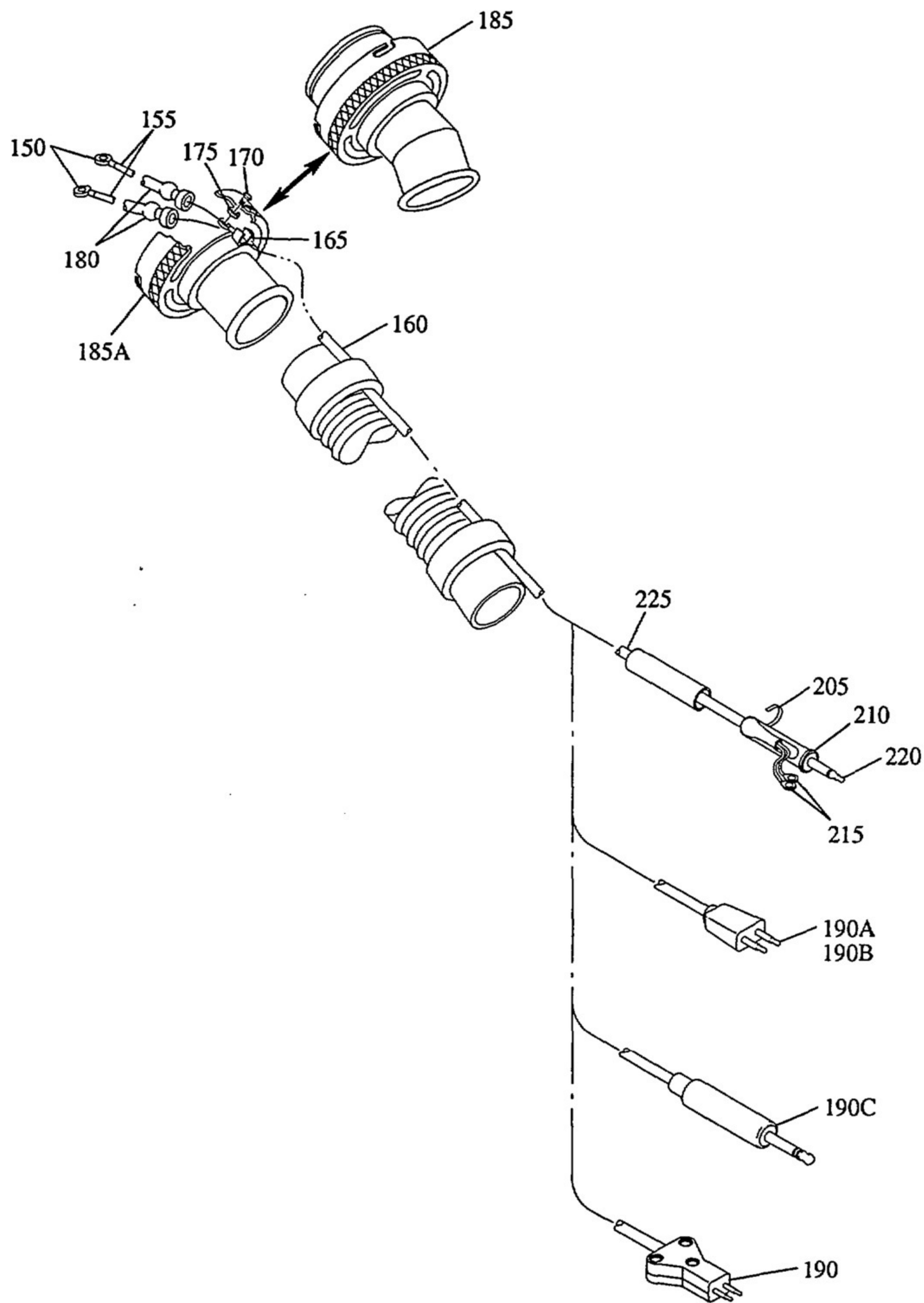
232-1278

Valve, Hose & Communications Assemblies  
(With Olive-Green Silicone Rubber Hoses)  
IPL Figure 9 (Sheet 1 of 3)





Valve, Hose & Communications Assemblies  
(With Olive-Green Silicone Rubber Hoses)  
IPL Figure 9 (Sheet 2)



Valve, Hose & Communications Assemblies  
(With Olive-Green Silicone Rubber Hoses)  
IPL Figure 9 (Sheet 3)



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
9 -1	232-1074		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	A	RF
-1A	232-1204SMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	B	RF
-1B	232-1210ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIGS. 1 AND 2 FOR NHA)	C	RF
-1C	232-1242ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	D	RF
-1D	232-1244ILMB		VALVE, HOSE & COMM ASSY (SEE IPL FIGS. 1 AND 2 FOR NHA)	E	RF
-1E	232-1246		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	F	RF
-1F	232-1272		VALVE, HOSE & COMM ASSY (SEE IPL FIG. 1 FOR NHA)	G	RF
-1G	232-1278		VALVE, HOSE & COMM ASSY (SEE IPL FIGS. 1 AND 2 FOR NHA)	H	RF
5	232-662		• COVER, MICROPHONE	A,C,E	1
5A	232-439		• COVER, MICROPHONE	B	1
10	232-274		• MICROPHONE, CARBON, 100 OHMS, TYPE ANB-M-C1	B,D	1
10A	232-270		• MICROPHONE, DYNAMIC, 5 OHMS, TYPE M-94A	C,E	1
15	00-1074		ATTACHING PARTS • SCREW, NYLON * * *	B,D	1
-20	232-685-3		• MICROPHONE ASSY, DYNAMIC	G	1
-20A	232-685-1		• MICROPHONE ASSY, DYNAMIC	H	1
25	232-662		• • COVER, MICROPHONE	G,H	1
30	232-702		• • GASKET, SPACER	G,H	1
35	00-1587		• • MICROPHONE, TYPE M101/A1C	G,H	1
40	AN500D2-5		ATTACHING PARTS • • SCREW, FILLISTER HEAD * * *	G,H	2
45	00-5811		• • PRE-AMP ASSY, TYPE AM-4326B/A	G	1
50	00-4263		• • BRACKET ASSY	H	1

- ITEM NOT ILLUSTRATED



PARTS LIST

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
9 55	232-32		• BRACKET, MICROPHONE	B,D	1
60	00-668		ATTACHING PARTS • SCREW, FILLISTER HEAD, 1-72 x 0.12 LG * * *	B,D	3
-65 70	232-803 232-819		• BRACKET KIT, MICROPHONE • • BRACKET	G G	1 1
75	AN510C1-8		ATTACHING PARTS • • SCREW, FLAT HEAD * * *	G	3
80 85	232-667 232-659		• • SPACER • RING, MICROPHONE HOUSING	G A,C,E,H	3 1
90	AN510C1-8		ATTACHING PARTS • SCREW, FLAT HEAD * * *	A,C,E,H	3
95 100	232-667 232-115		• SPACER • NAMEPLATE	A,C,E,H	3 1
105	00-668		ATTACHING PARTS • SCREW, FILLISTER HEAD, 1-72 x 0.12 LG * * *	F	3
110 115	249-315 00-639		• RUBBERBAND • GUIDE, CABLE (ENDS)	F A,B,D,E,G, H	2 2
115A	138-129		• GUIDE, CABLE (HOSE)	A	3
115B	138-129		• GUIDE, CABLE (HOSE)	B	1
115C	651-275		• GUIDE, CABLE (ENDS)	C	2
-115D	651-274		• GUIDE, CABLE (HOSE)	C	1
-115E	249-425		• GUIDE, CABLE (HOSE)	D,E,G,H	1
120	MS22064-5		• CLAMP, HOSE		2
125	232-218-2		• CLIP ASSY, CLOTHING	A-C,F-H	1
125A	232-218-3		• CLIP ASSY, CLOTHING	D,E	1
130	232-94A		• DISCONNECT ASSY	A-E,G,H	1
130A	232-94		• DISCONNECT ASSY	F	1
135	249-06		• HOSE, 13-1/2 INCHES LONG, SILICONE RUBBER	C	1
135A	500-279		• HOSE, 17-1/2 INCHES LONG, SILICONE RUBBER	A,B,D-H	1

- ITEM NOT ILLUSTRATED

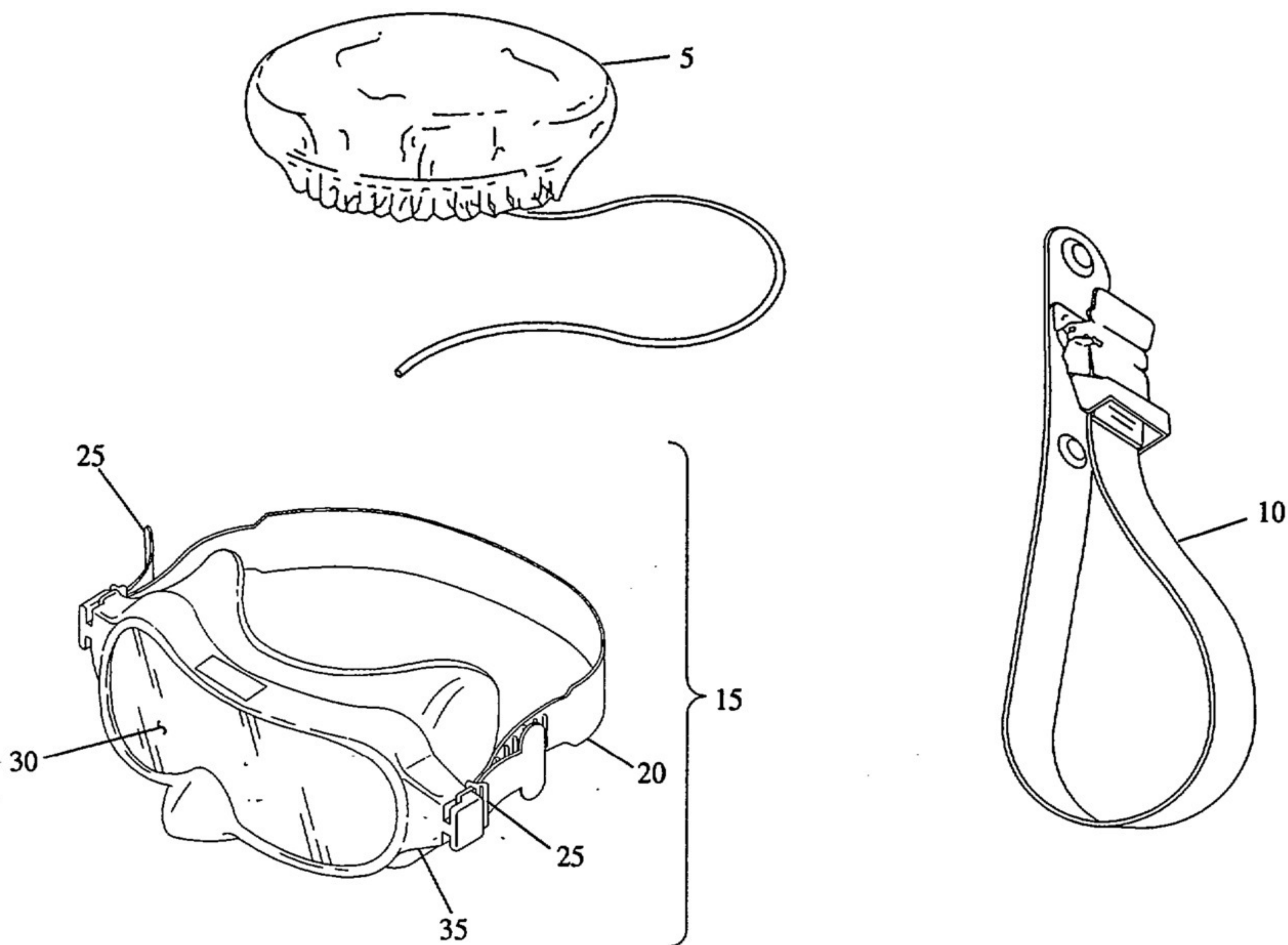


**PARTS LIST**

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
9 140	211-162		• VALVE ASSY (NO COMMUNICATIONS)	F	1
-145	232-1082		• VALVE, CABLE & PLUG ASSY	A	1
-145A	232-1205		• VALVE, CABLE & PLUG ASSY	B	1
-145B	232-1213		• VALVE, CABLE & PLUG ASSY	C	1
-145C	232-1243		• VALVE, CABLE & PLUG ASSY	D	1
-145D	232-1245		• VALVE, CABLE & PLUG ASSY	E	1
-145E	232-XXX		• VALVE, CABLE & PLUG ASSY	G	1
-145F	232-1811-1		• VALVE, CABLE & PLUG ASSY	H	1
150	MS25036-43		• • TERMINAL, LUG	A-E,G,H	2
155	00-2329		• • TUBING, SHRINK, BLACK, 0.120 ID	A-E,G,H	AR
160	00-2409		• • TUBING, SHRINK, BLACK, 0.187 ID	A-E,G,H	AR
165	00-1081		• • TERMINAL, LUG, STRAIN RELIEF	A-E,G,H	1
170	MS35206-201		ATTACHING PARTS		
175	MS35333-35		• • SCREW, ROUND HEAD	A-E,G,H	1
			• • WASHER, LOCK	A-E,G,H	1
			***		
180	232-1119		• • INSERT, ELASTOMER	A-E,G,H	2
185	211-270		• • VALVE ASSY	A,C	1
185A	211-165		• • VALVE ASSY	B,D,E,G,H	1
190	232-XXX		• • CABLE & PLUG ASSY	A,B,E	1
190A	232-XXX		• • CABLE & PLUG ASSY	C	1
190B	232-XXX		• • CABLE & PLUG ASSY	G	1
190C	232-XXX		• • CABLE & PLUG ASSY	H	1
-195	00-642		• • • PLUG, ELECTRICAL, TYPE PJ-292 (ORDER NHA)	A,B,E	RF
-195A	00-850		• • • PLUG, ELECTRICAL, TYPE U-173/U (ORDER NHA)	C,G	RF
-195B	00-4391		• • • PLUG, ELECTRICAL, TYPE PJ-068 W/PRE-AMP (ORDER NHA)	H	RF
-200	00-4637		• • • CABLE, MIL-C-10392, 2 COND (ORDER NHA)	A,B,E,G,H	RF
-200A	00-4335		• • • CABLE, 2 COND (ORDER NHA)	C	RF
205	00-1072		• • CRIMP, STRAIN RELIEF	D	1
210	520-324-1		• • BUSHING, CABLE	D	1
215	MS25036-43		• • TERMINAL, LUG	D	2
220	00-652		• • PLUG, ELECTRICAL, TYPE PJ-068	D	1
225	00-4637		• • CABLE	D	1

- ITEM NOT ILLUSTRATED





Accessories  
IPL Figure 10

FIG. ITEM	PART NUMBER	AIRLINE STOCK NO.	NOMENCLATURE 1 2 3 4 5 6 7	EFF CODE	UNITS PER ASSY
10 -1			ACCESSORIES (SOLD AND SHIPPED SEPARATELY )		RF
5	00-5989		• COVER ASSY, DUST		RF
10	358-643E		• STRAP ASSY, HOLDING, QUICK-RELEASE		RF
15	322-70		• GOGGLES ASSY, ANTI-SMOKE		RF
20	322-73		• • HEADSTRAP		1
25	322-74		• • BUCKLE ASSY, HEADSTRAP		2
30	322-72		• • LENS, ANTI-SMOKE		1
35	322-71		• • FRAME, LENS		1